

THE ARCHITECT & BUILDING NEWS

7 JANUARY 1959

VOL. 215

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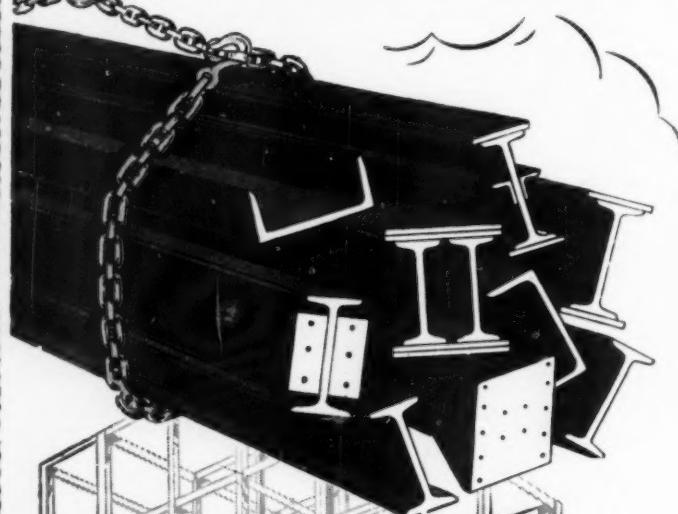
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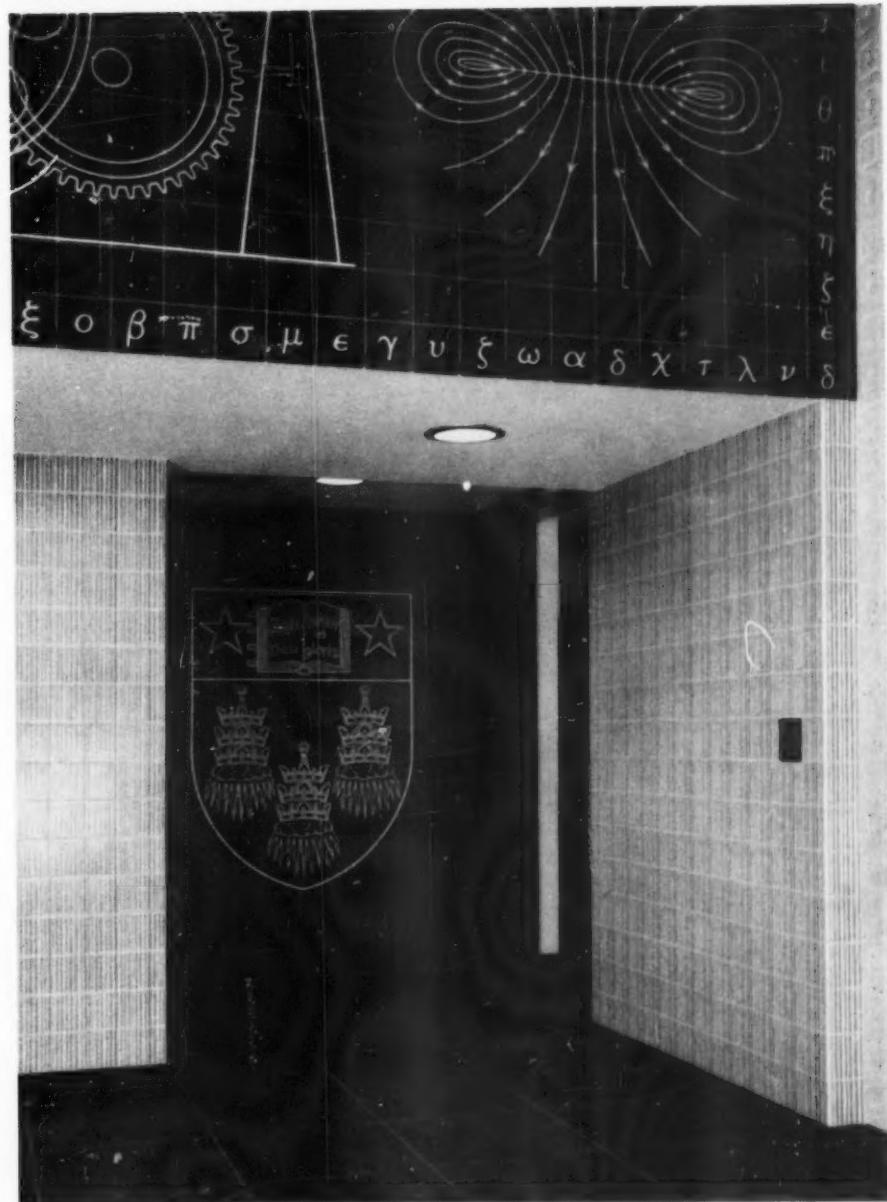
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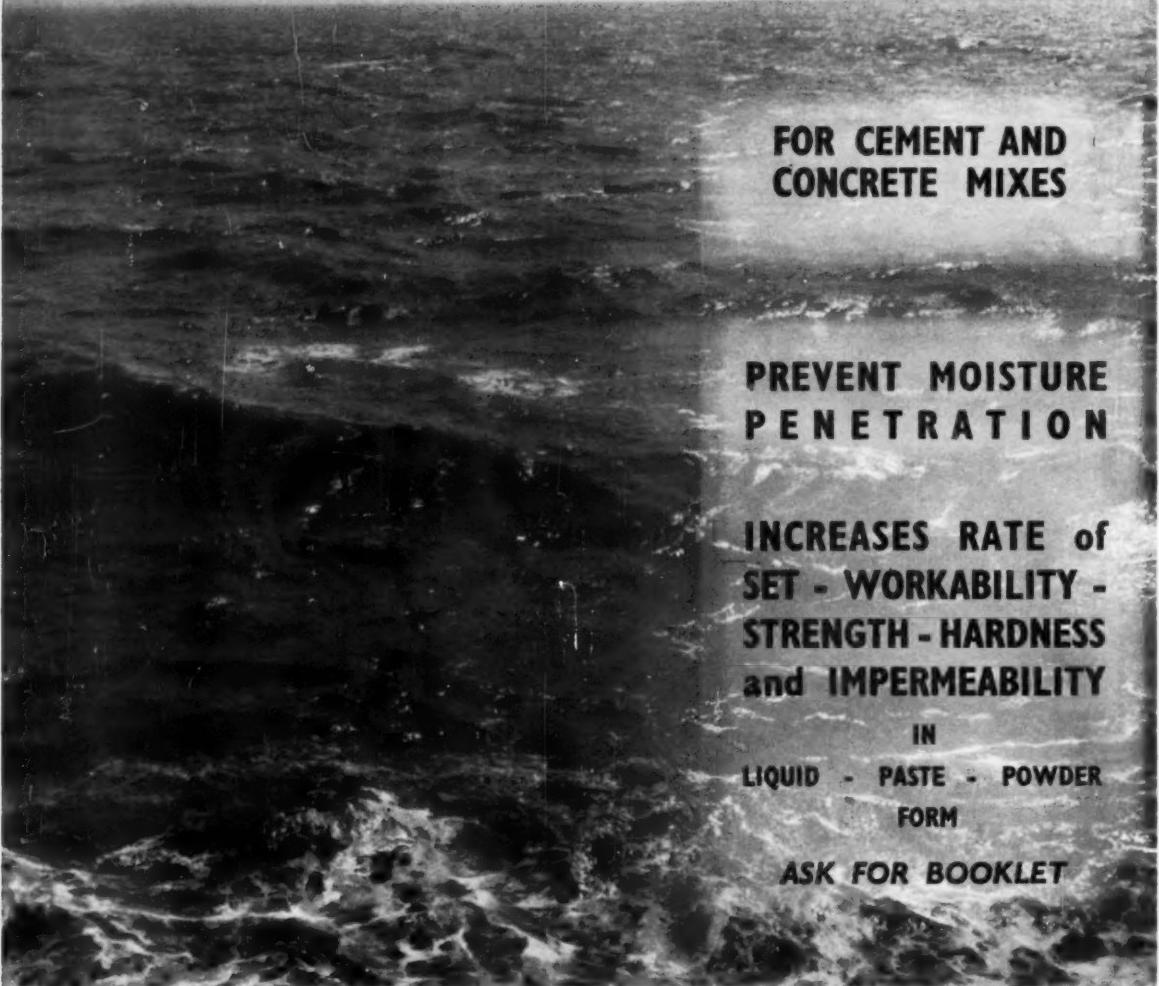
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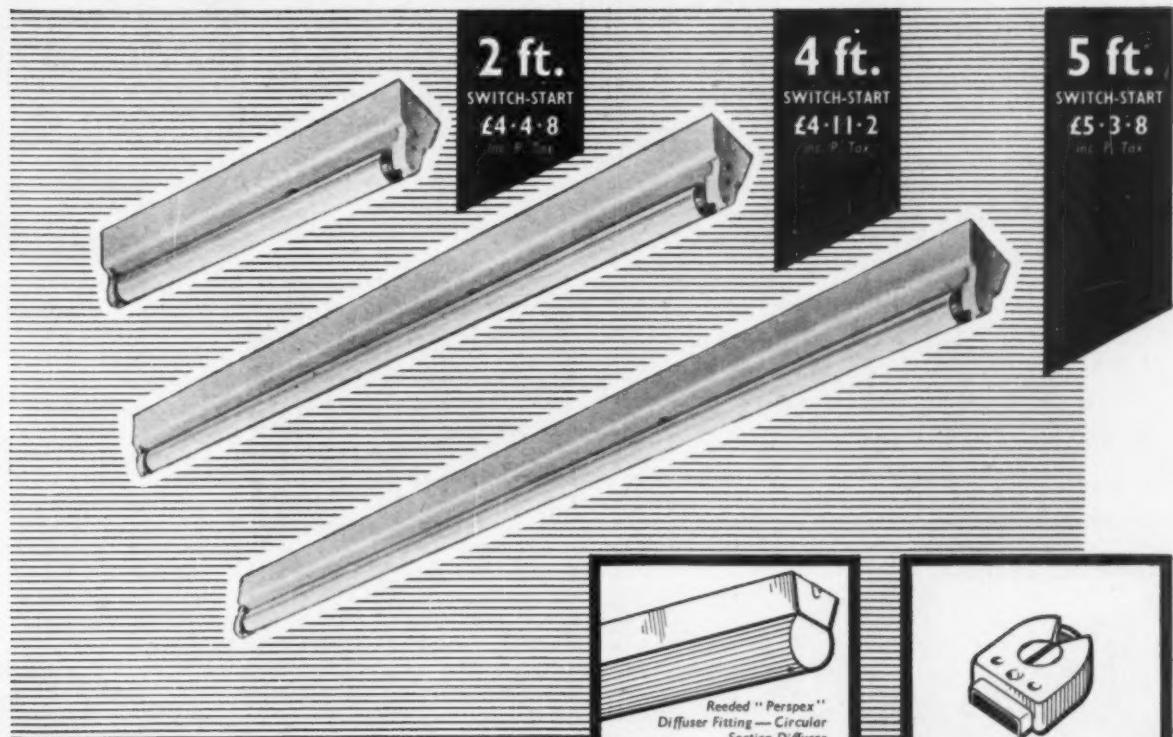
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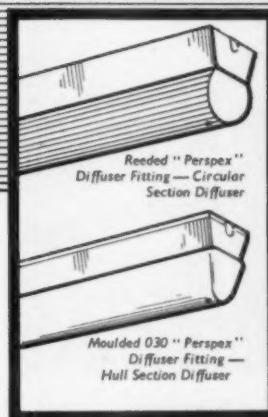
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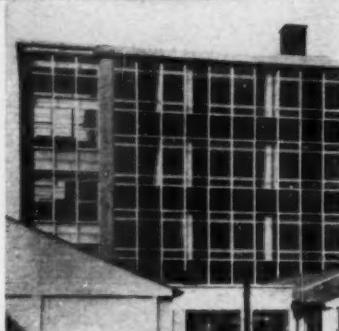
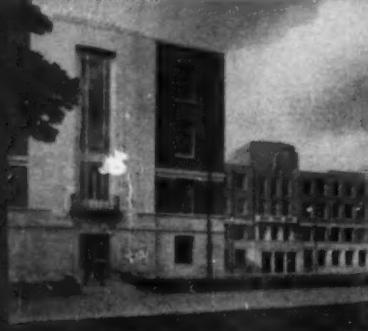


THE ARCHITECT and Building News,
7 January 1959

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Architects:
Easton & Robertson



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Architects:
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Architects:
Elder & de Pierro



THURROCK TECHNICAL COLLEGE
Architect:
H. Conolly

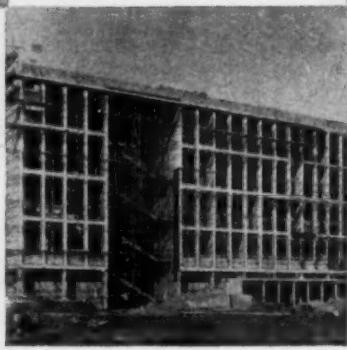


KEIGHLEY TECHNICAL COLLEGE
YORKS
Architect:
A. W. Glover



BASILDON
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TECHNICAL SCHOOL
Architect:
Denis Clarke Hall

OXFORD
COLLEGE OF TECHNOLOGY,
ART & COMMERCE
Architect:
E. G. Chandler



BOURNEMOUTH
MUNICIPAL COLLEGE
Architect:
John Burton

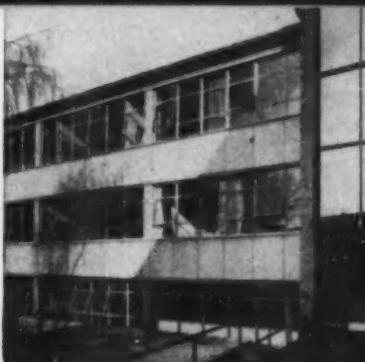


DUNCAN OF JORDANSTONE
COLLEGE OF ART
DUNDEE
Architect:
James Wallace



THE ARCHITECT and Building News,
7 January 1959

CAMBRIDGESHIRE
TECHNICAL COLLEGE
& SCHOOL OF ART
Architect:
Alister MacDonald



LONGLANDS COUNTY COLLEGE
MIDDLESBROUGH
Architect:
K. J. Caton



N. BEDS. COLLEGE
OF FURTHER EDUCATION
BEDFORD
Architect:
S. Vincent Goodman

QUEEN MARY COLLEGE
MILE END ROAD
Architects:
Playne & Lacey



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Architect:
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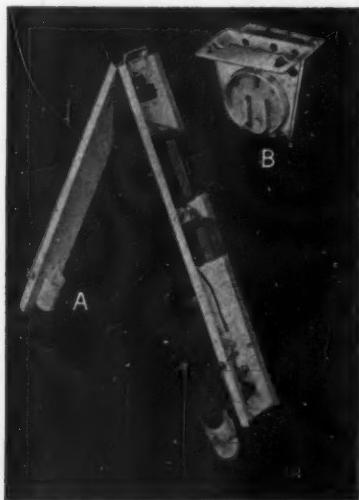
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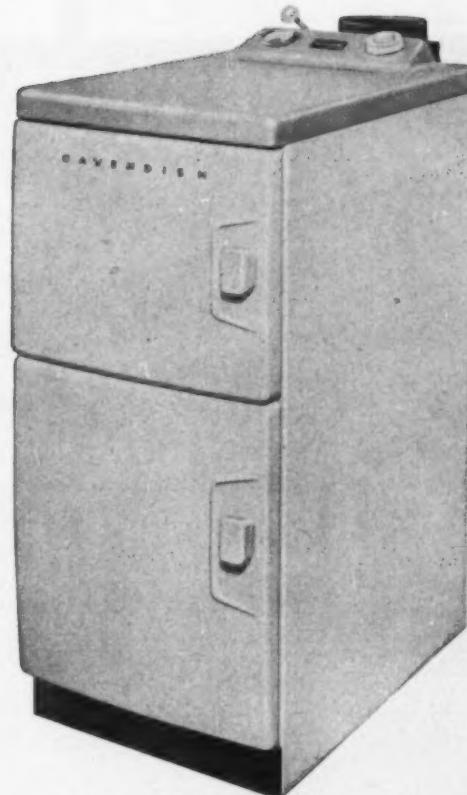


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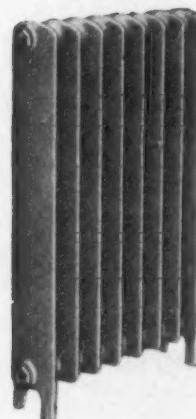


The Cavendish Boiler has been accepted by The Council of Industrial Design for display in The Design Centre, London

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G.10

New light on old masters



City of Birmingham Museum and Art Gallery restored
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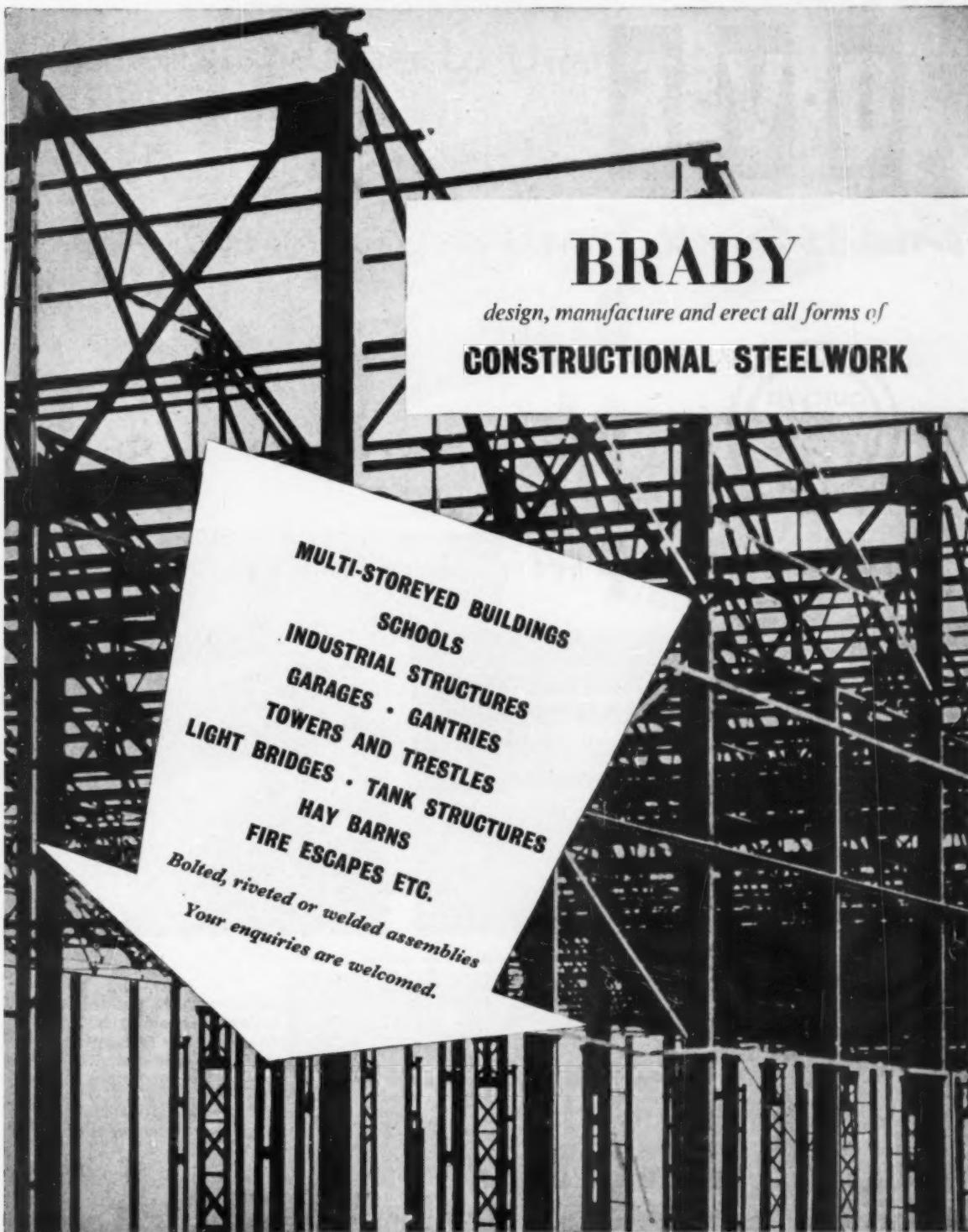
...to put you in the picture the city whose god is Hephaestus likes to see its Masters with a clear eye unprejudiced by smog. At the Feeney Galleries it is evident that smelted metal, the lifeblood of Birmingham, has not been the death blow to culture. Luve-tiles have been specified. Here in fact you see them shedding a clear, diffused light on the creations of craftsmen in paint for craftsmen in metal to come and see. If you have lighting problems Harris & Sheldon will solve them for you.

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Q·V·F

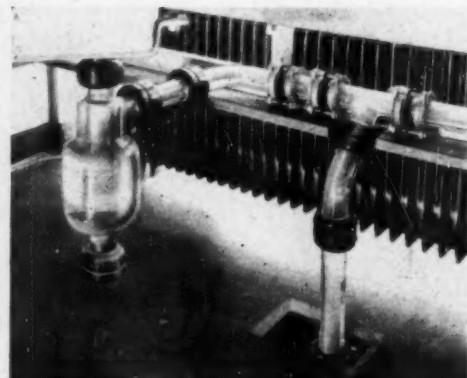
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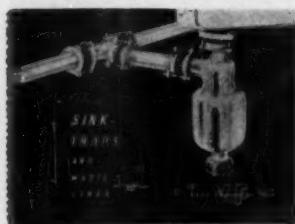


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F REE FROM CORROSION



Photographs by courtesy of Nottingham Technical College



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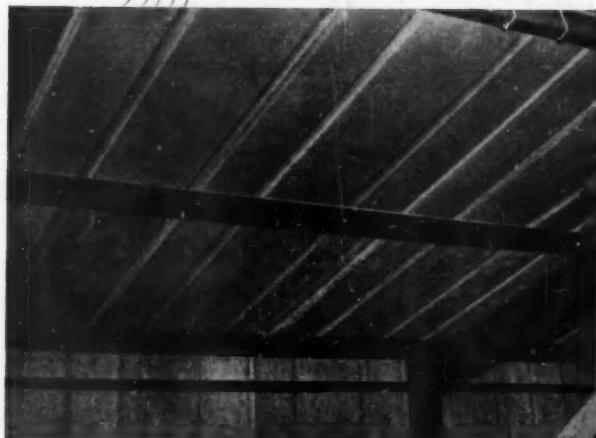
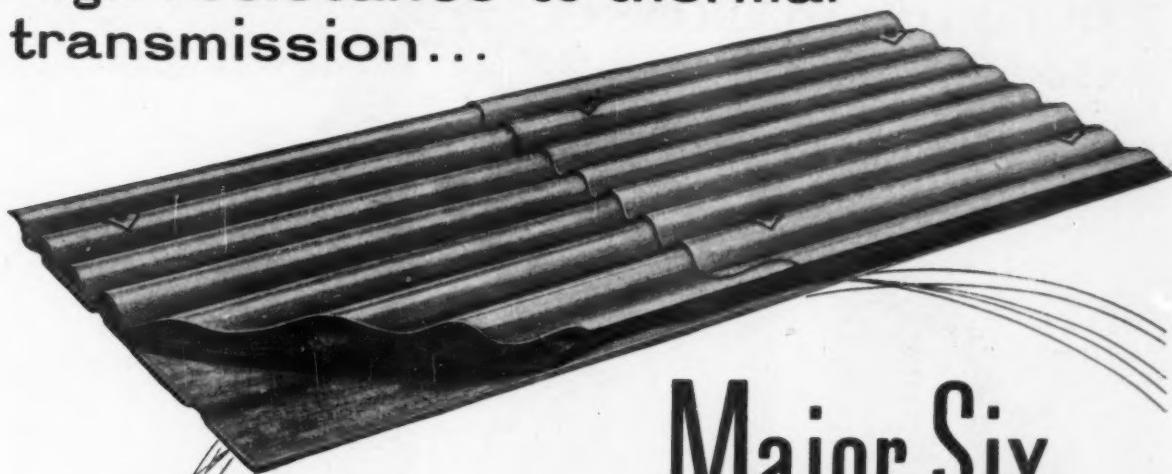
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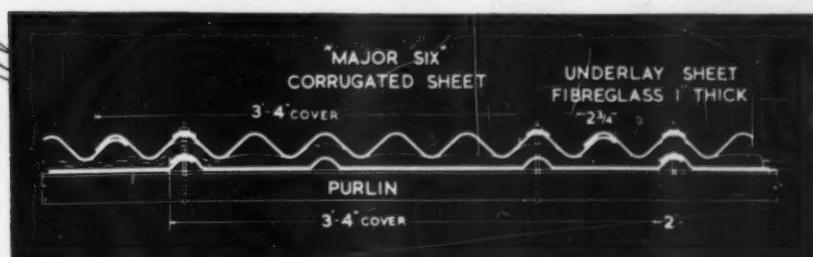
Photograph above illustrates interior view of roof

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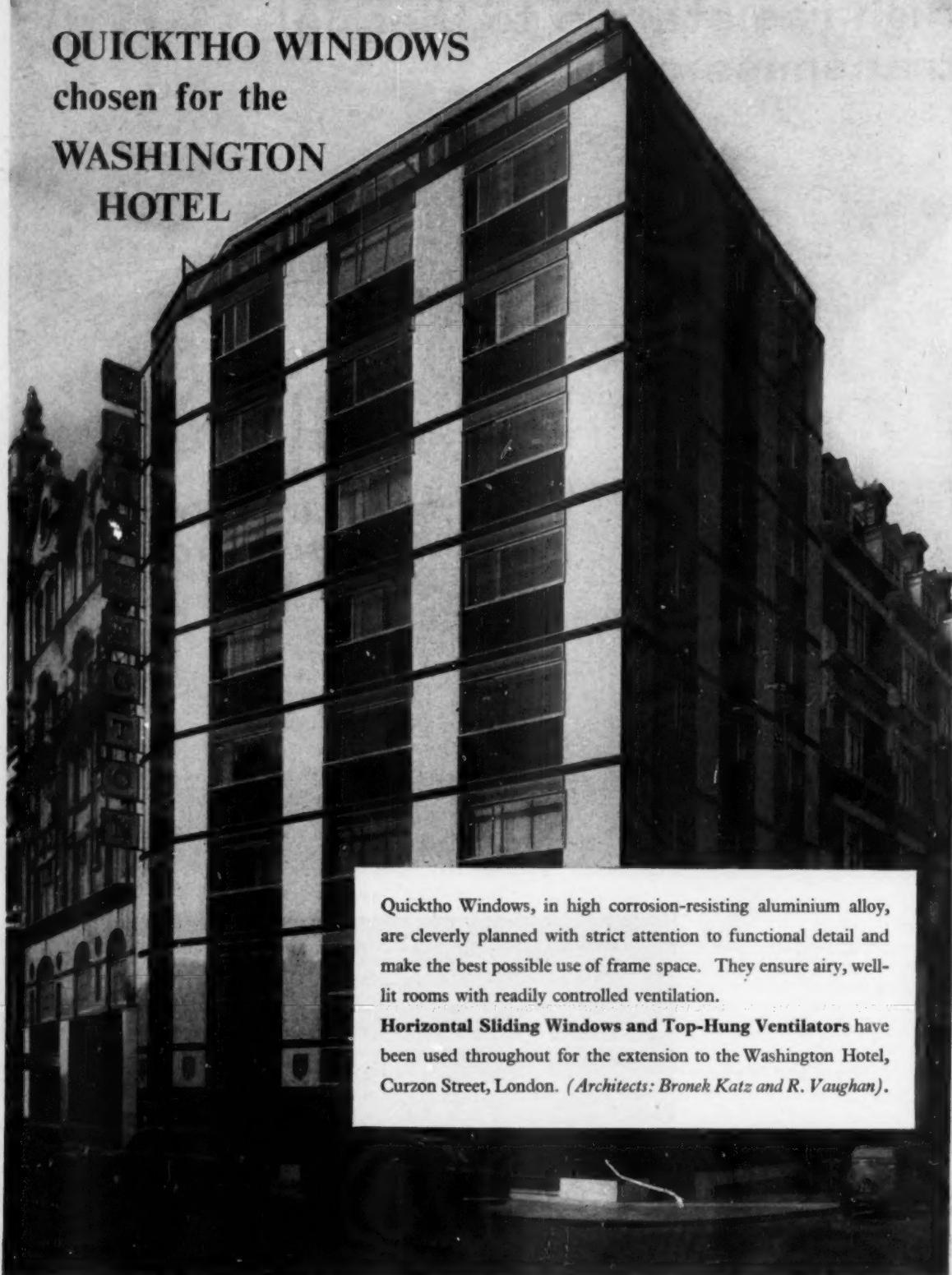


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Horizontal Sliding Windows and Top-Hung Ventilators have been used throughout for the extension to the Washington Hotel, Curzon Street, London. (Architects: Bronek Katz and R. Vaughan).

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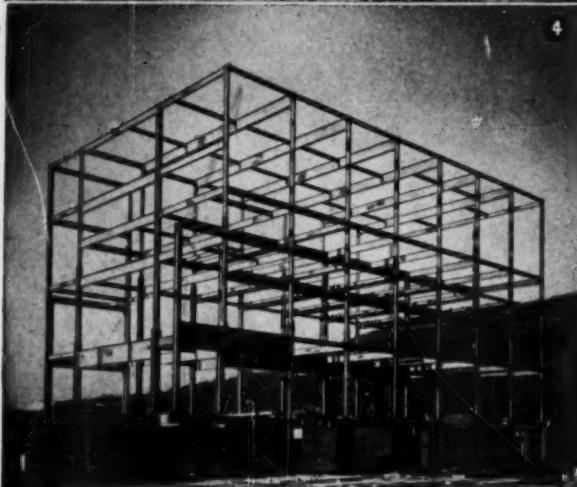
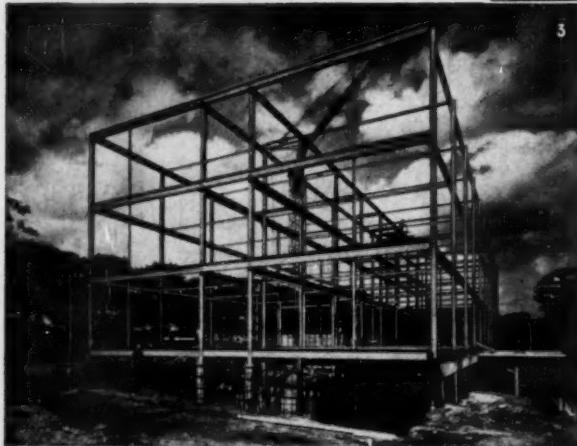
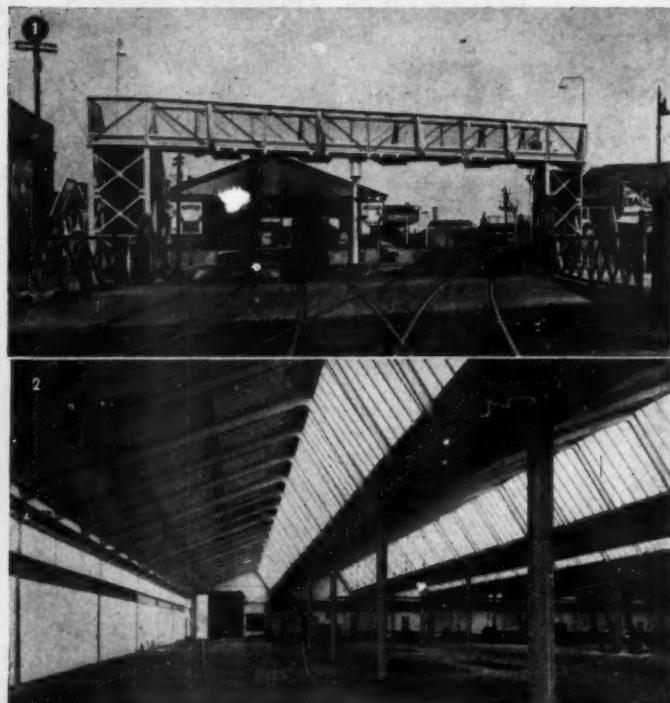
Write for publication H5 for further details

G.E.C.

Industrial Electric Space Heating

- ① Footbridge for Level Crossing in Grimsby.
- ② Interior view of factory for Messrs. Brook Motors Ltd., Barnsley.
- ③ Sowerby Bridge Secondary School.
- ④ Control Room, Services and Welfare Block, Elland Power Station.

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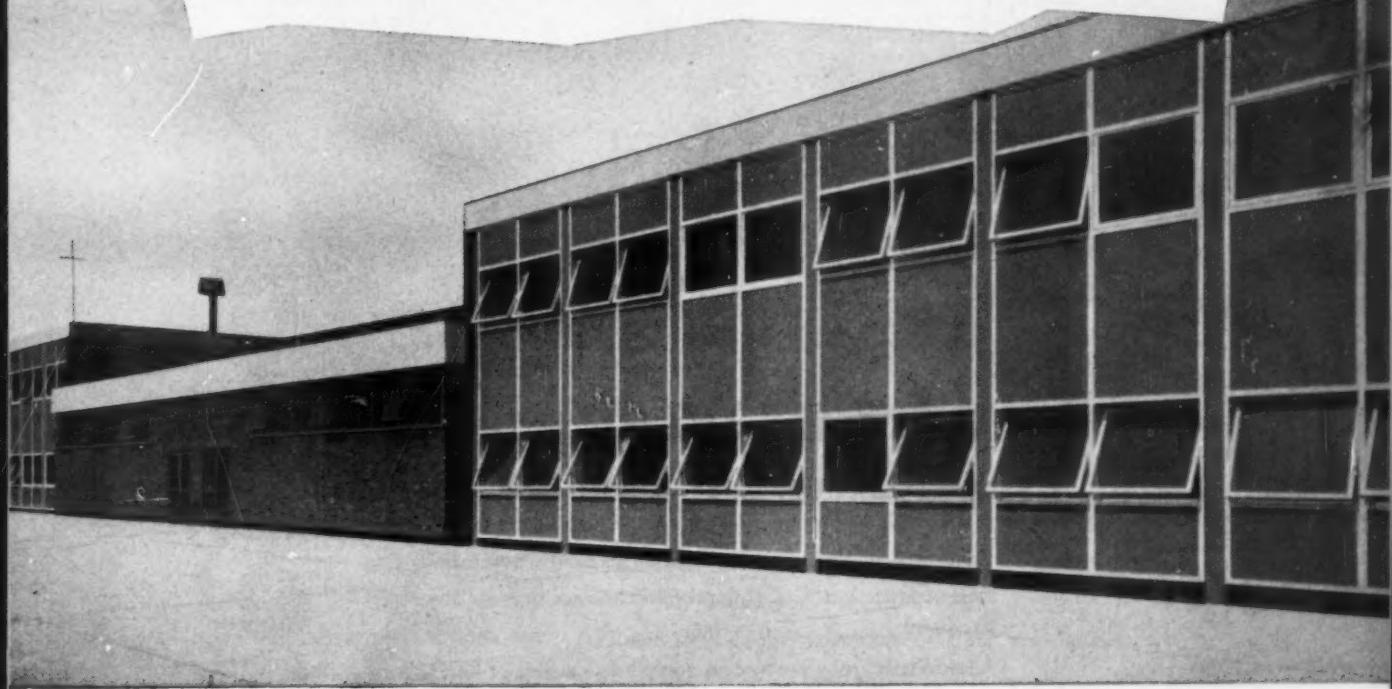
Write for Haskins "Rolling Portcullis Grilles" Catalogue which gives details of applications, working sizes and specifications.

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TOMO double-glazing at London Airport



We think you'll agree that the appearance of these attractive offices at London Airport is enhanced by their TOMO double-glazed WINDOWS. But that's only a small part of the story. TOMO double-glazing also offers excellent thermal-efficiency values, remarkable sound-reduction properties, finely-controlled ventilation and total indoor window-cleaning.

On the subject of thermal efficiency, we should like to refer you to the report of a recent B.R.S. test quoted on the right. It speaks volumes. When you work within whistling distance of aircraft, sound reduction becomes a matter of vital importance. Here TOMO WINDOWS score heavily. The total reduction in sound level depends finally, of course, on the thickness of glass employed and the space between panes. Using 32-ounce glass spaced at 1½in, TOMO double-glazing gives a reduction of approximately 40 decibels and will, we hope, save Shell-Mex and Esso personnel not a few headaches in the future.

One last point, TOMO double-glazed WINDOWS are suitable for inward or outward opening and can be top-hung, bottom-hung, side-hung or pivot-hung. Any further information you may require will be gladly supplied.

Administrative and operations offices for aviation fuel supplies at London Airport, half of which are occupied by Shell-Mex & B.P. Ltd. and the other by Esso Petroleum Co. Ltd. Architect: Frederick Gibberd, C.B.E., F.R.I.B.A., M.T.P.I.

* BUILDING RESEARCH STATION TESTS

When a standard-production TOMO WINDOW Wall-Unit (8ft. x 8ft.) was tested at the Building Research Station, Garston, the mean thermal transmittance of the complete unit was found to be 0·31 B.Th.U./sq. ft./h. $^{\circ}$ F. This is equal to the thermal transmittance of a traditional 11-in. cavity brick wall! This impressive result was further improved to 0·29 when the TOMO pleated blinds, fitted between the panes, were lowered. The U-value of the window-area only was found to be 0·38 which, with TOMO pleated blinds down, became 0·35. At 0·38, TOMO double-glazed WINDOWS are substantially (29%) better than the U-value of 0·47 quoted for conventional double windows in the I.H.E.V. Guide to Current Practice, 1955.

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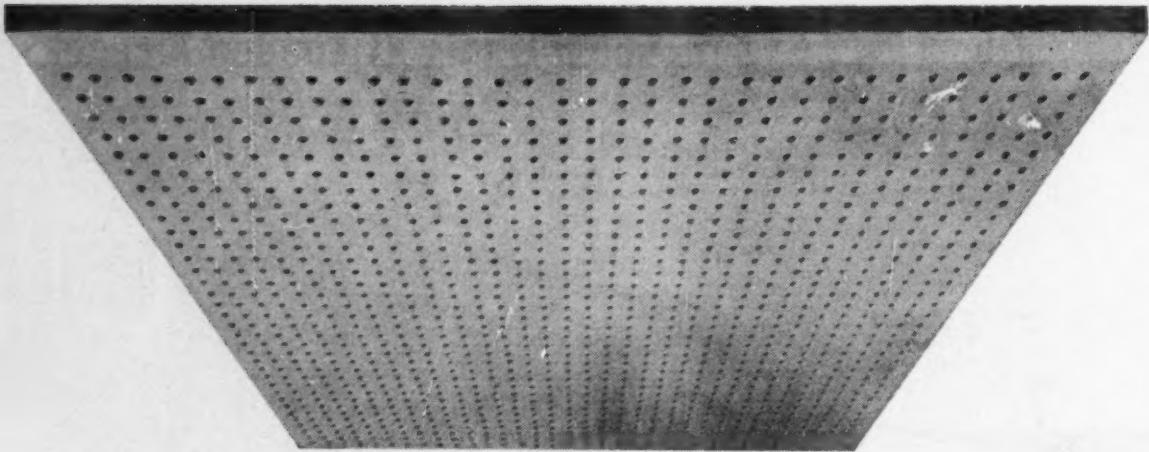
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TOMO DOUBLE GLAZED **WINDOWS**

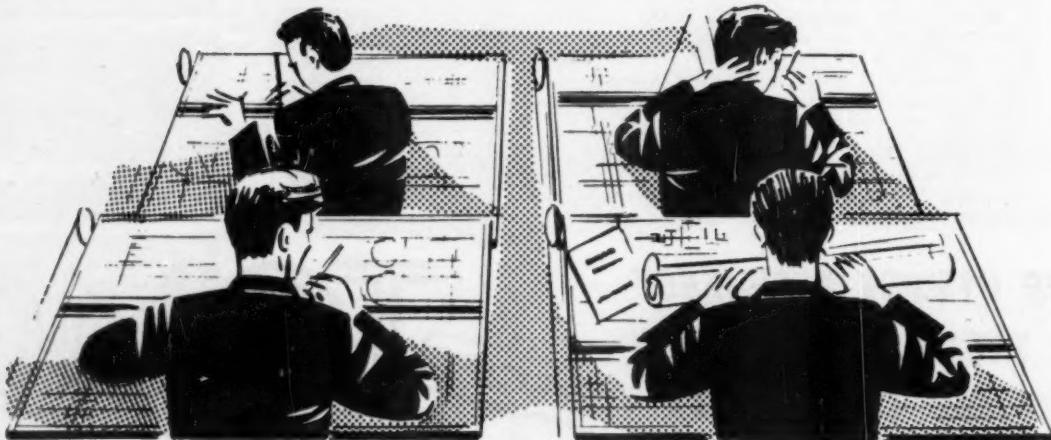
—purpose-made in finest timbers
to Architect's size, style and finish



PAXTILES above

Newalls (reg'd brand) PAXTILES are the most effective method of suppressing unwanted sound; they are also a decorative treatment in themselves, capable of being painted without impairing their acoustic qualities. Composed of asbestos they are absolutely FIRE-, rot- and vermin-proof, and they resist condensation. Additionally, they provide an appreciable degree of heat insulation. It is not surprising therefore, that all these practical attributes recommend PAXTILES to the attention of modern architects as the most suitable sound insulation medium available.

mean PRODUCTION below



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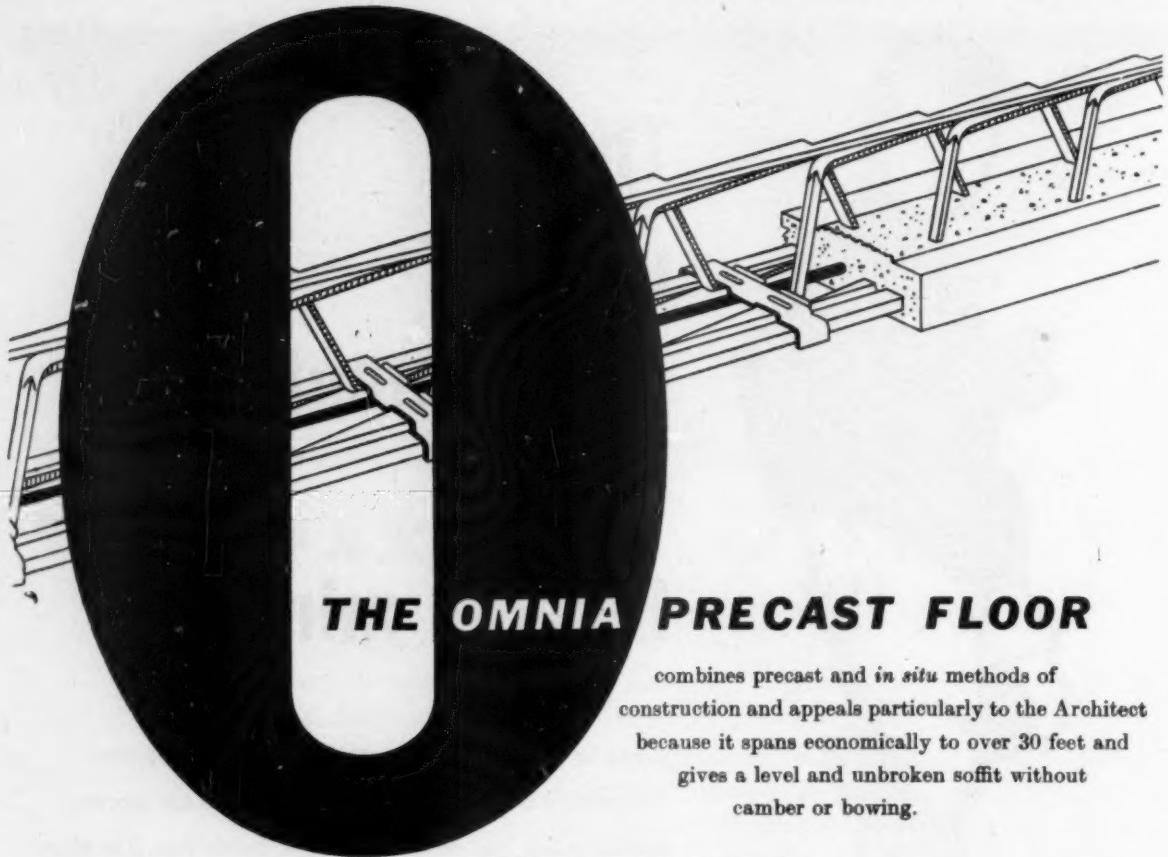
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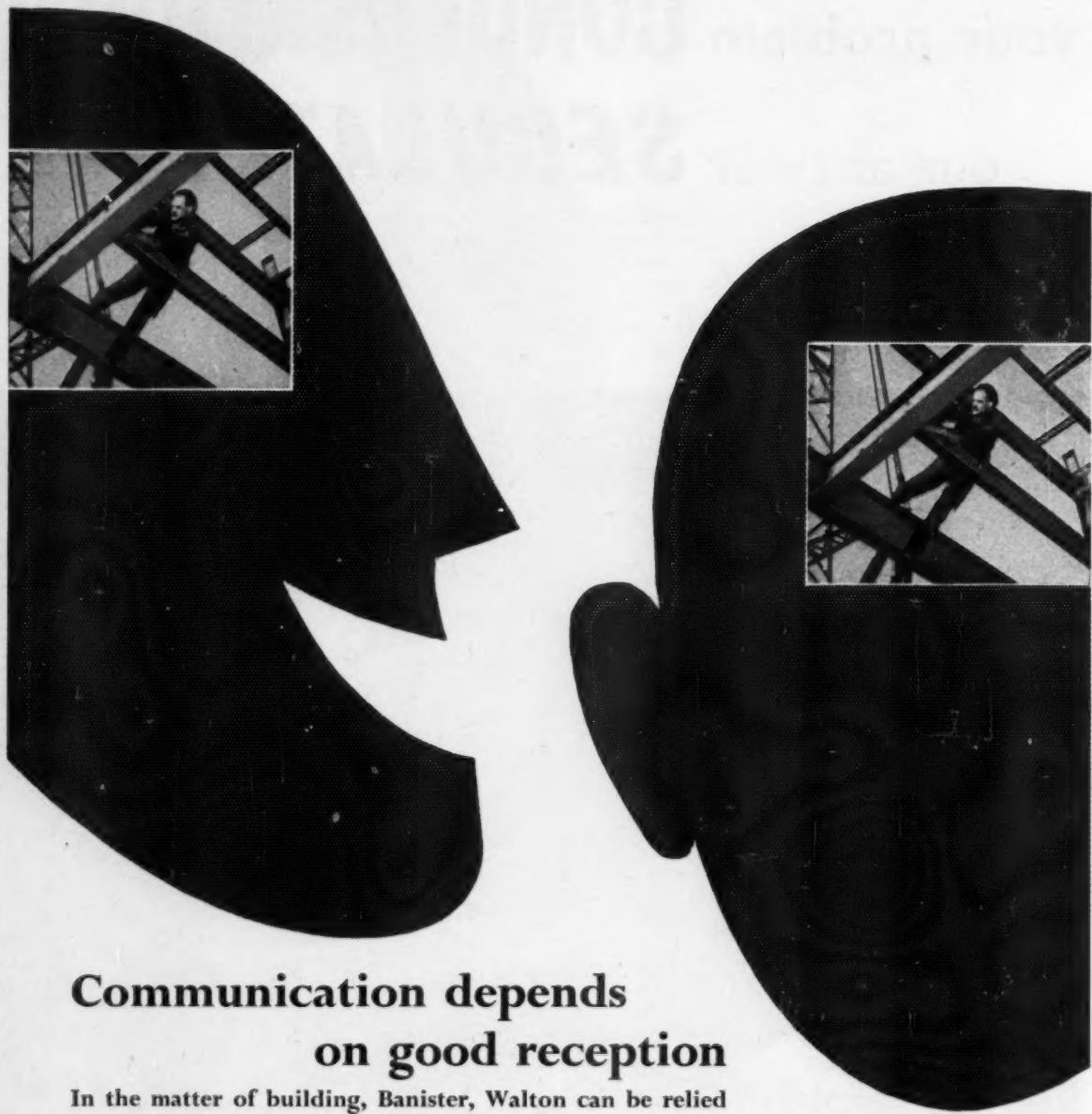
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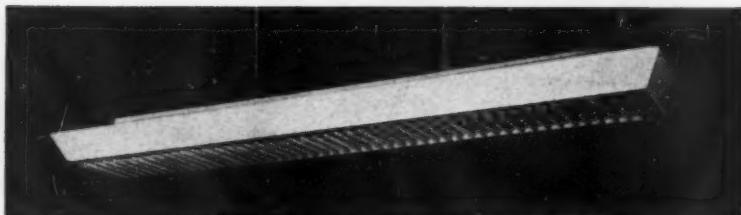
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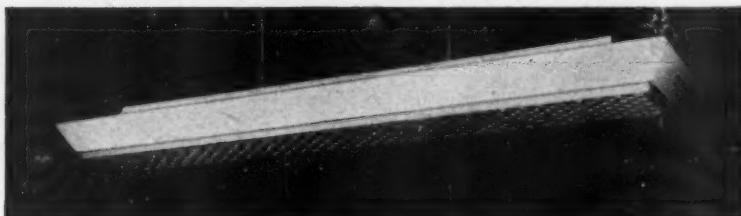
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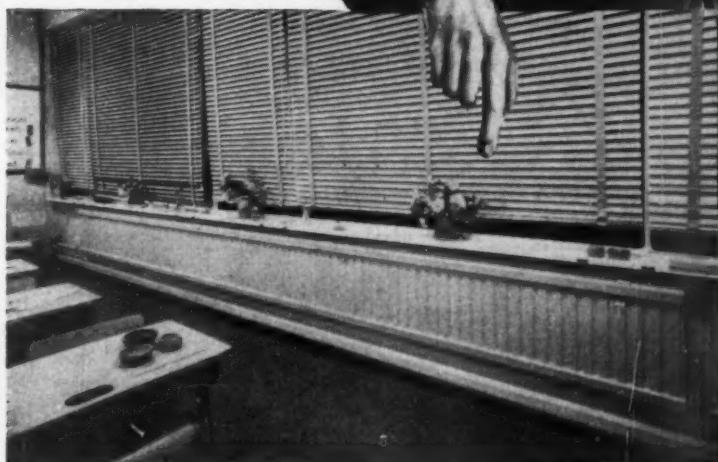
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Vol. 215 No. 1

THE
ARCHITECT
AND BUILDING NEWS

7 January 1959

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THE CRYPT OF COVENTRY CATHEDRAL

The crypt of Coventry Cathedral was dedicated as a temporary chapel on New Year's Eve. The pillars of the altar are the same stone as the fabric—a pinky grey Hollington. The altar slab, or mensa, is a laminated softwood—Columbian pine—with the edge painted black. For the hangings a special golden dye was used on one of the Edinburgh Weavers' standard fabrics. The cross and candlesticks are of silver with crystals set in to catch the light. These were designed and made by Geoffrey Clarke and are the gift of the architect. Hexagonal dark blue-black quarry tiles are used on the floor and the carpet is in a bold liturgical red. On completion of the cathedral the crypt will revert to its original purpose, a chair store. Architect, Basil Spence. Main contractor, John Laing and Son Ltd. Pictures by P. W. & L. Thompson Limited, Coventry

EVENTS AND COMMENTS

A.A. DISCUSS R.I.B.A. PROPOSALS

The A.A. upheld its tradition of being in the van when revolution is in the air by holding last week a preview meeting on the recommendations of the R.I.B.A. Constitutional Committee. It was a sober and mainly sensible affair. The proceedings opened with a statement by Mr. J. M. Austin-Smith on the future role of the architect. It seemed to me to have precious little to do with the matter under discussion and showed Mr. Austin-Smith to be badly bitten with the management bug. By the time he had generated enough thoughts to ensure a feedback to the strategic concept the breakdown of the cost targets had motivated the need for a central advisory and statistical establishment within the profession, or so it seemed to me.

Dr. E. Grey-Turner, assistant secretary of the British Medical Association, then most clearly explained the purposes and activities of his association. They sounded admirable and no doubt many people thought "If only the R.I.B.A. could be like that". Mr. Richard Sheppard compared the B.M.A. and the R.I.B.A. and on the whole the R.I.B.A. came off well and appeared to cover nearly all the services of the B.M.A., which does, however, have two main advantages, a most profitable publishing business and a huge building largely let off commercially.

Mr. Sheppard spoke of the national output of 1,000 qualified architects a year. We shall have 30,000 by 1975 unless something is done. If future candidates had to have two A level subjects, the output would be reduced to between 400 and 500 a year. Even so, we should still have nearly 20,000 qualified architects in the year 2000. Is there likely to be adequate work for this number? Mr. Sheppard explained that the R.I.B.A. is trying to find out. At present it looked as if the average architect would be lucky to be earning £1,000 a year at 41.

Mr. Cleeve Barr, chairman of the R.I.B.A. Constitutional Committee, spoke about his committee's work and recommendations. His most important point was that there had been second thoughts about the recommendation that all members of the R.I.B.A. should automatically be granted membership of the appropriate allied society. It appeared that there would be financial difficulties if this idea were adopted.

There were questions about the suggestion that the A.A. should still be represented on the council. Mr. Barr explained that this was done as there was no London allied society and that the A.A. represented one. This naturally brought the suggestion that the A.A. should become the allied society for London and Middlesex. But someone pointed out that the membership of the A.A. only includes about 15 per cent of R.I.B.A. members in the area. Many A.A. functions are already overcrowded; a large increase in membership would swamp the organization. If London had an allied society it would need many local branches.

My feeling is that neither the A.A. nor the R.I.B.A. would like the A.A. to become an allied society. It is no secret that this has been discussed at highest level from time to time. The A.A. is primarily an educational body concerned with architecture, and not archi-

tects' politics, although the fact that this meeting was held at all shows that things are changing.

There was some discussion on the proposal that on the R.I.B.A. Council there should be no differentiation by classes of membership, but it seemed to be generally agreed that this was a good idea. Some people appeared to think that the Fellowship should be abolished—this must have given the Finance Committee a cold shudder. Mr. Michael Patrick suggested that members' subscriptions should be based on their age and number of years in practice. Mr. Sheppard went further by suggesting that the subscriptions should be geared in some way to architects' earnings.

Dr. Grey-Turner, answering a question, begged the R.I.B.A. not to take the B.M.A. as a model because, he said, the B.M.A. membership was frightfully dissatisfied and regarded the B.M.A. as hopeless as a representative association and quite useless. Many thought that it should be thoroughly overhauled and some were for abolishing it altogether. At the time of the introduction of the National Health Service, said Dr. Grey-Turner, the old battle cries about democratizing the council had been raised, big changes were made but produced not the slightest difference. Hilaire Belloc had aptly described this situation:

"The accursed power that stands on privilege
and goes with women and champagne and bridge
broke, and Democracy resumed her reign
(which goes with bridge and women and
champagne)."

I think it would be a pity if such a cynical view as this were taken of the current R.I.B.A. reforms. On the other hand it is always as well to remember that only a very small proportion of the membership of any organization is ever very interested in its politics or its day-to-day working. The large hall at the R.I.B.A. is seldom filled, even for a presidential address.

The value of pressure groups, like the one operating in the R.I.B.A. at the moment, lies in their spring-cleaning properties. The aims of all those interested in the operation are or should be the same—the improvement of architecture and the improvement of the architect as a servant of society. Improvement of status will come automatically from the other two.

The A.A. meeting was an interesting curtain-raiser to the R.I.B.A.'s own meeting held last night. It will be interesting to see to what extent the arguments put forward are similar.

One last word on the status of the A.A. I believe the A.A. to be unique in the architectural affairs of this country. In educational matters it has always led the R.I.B.A.; it is above all an educational body. I think it should be preserved as such. I am not sure that I agree that it should automatically be represented on the R.I.B.A. Council. In the absence of a London society perhaps it should. If a London society is formed, members of the A.A. could hardly expect to have two representatives on the Council of the R.I.B.A. Membership of the A.A. is, after all, open to all architects now and it certainly is not the "Old Boys" society that some people seem to imagine.

THE RUSSIAN PICTURES

At the time of writing, the Russian moon rocket is doing nicely and should be there, or thereabouts, early tomorrow. The fact that we do not know precisely whether it is bound is one of those neat little uncertainties with which the Russians, unlike their less-successful rivals, provide us from time to time. We do not yet know whether the moon is to be painted

red, to be hammered and sickled, or merely to be orbited. The Americans, had it been theirs, would have told us exactly what it would do, or would be supposed to do. We shall never know whether the Russian rocket did what it was meant to. It is perhaps fortunate that we, as a nation, are not in the moon race, for the Russian news, combined with the Test Match, might prove almost too much for us.

The rocket excitement has tended to draw publicity away from the exhibition of Russian painting at the Royal Academy. This is the first exhibition of its kind ever to be held at Burlington House, and it consists of—and here I use words in case you should think that I have omitted a nought—one hundred and twenty-two pictures. The average gallery-goer in this country knows nothing about Russian painting, except that there is a vast amount of it and that much of the pre-revolution work is of very high quality. The current exhibition is a great disappointment, both on quantity and quality. The icons are, however, magnificent. The five eighteenth century paintings seem to me very dull and stand wide apart on the infinitely shabby walls of the gallery. They look positively woebegone. Among the slightly later works there are one or two striking portraits—they are nearly all portraits—and one pleasant view of St. Petersburg in a wintry Canaletto-like manner. The almost total absence of paintings of townscapes and buildings, except as backgrounds to portraits or groups of figures, is one of the puzzles of the exhibition.

The later nineteenth century paintings include some very skilful, highly representational works of considerable vigour. "A rich Kirghiz hunter with a falcon" is an example. Elsewhere the art of the commercial calendar painter is much to the fore with bright, refreshing colours and happy or heroic posture.

To my mind undoubtedly the best section is that immediately preceding the "Soviet Art". Here, mixed with the naturalistic stuff, can be found fine portraits, the stirring of impressionism and a sense of freedom and release. It is perhaps significant that some of the best are studies for pictures. Here, too, are some Volga boatmen wading and looking far too gloomy to sing.

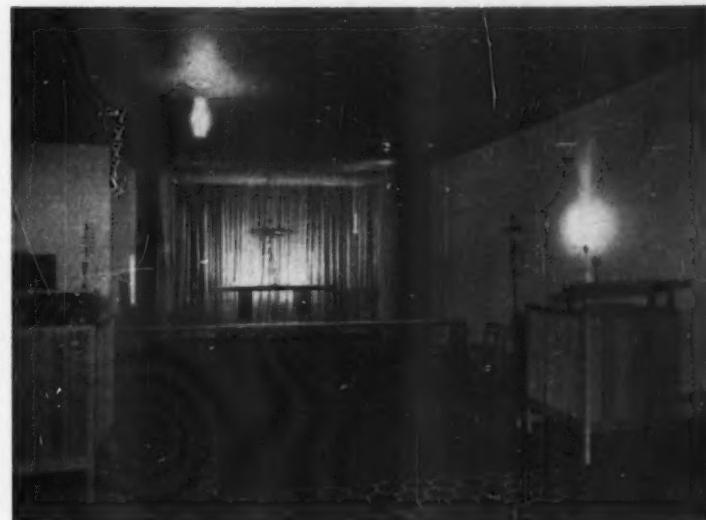
Happy, jolly fun, swink and sweat and contentment in the sun on the collective farm are excellently portrayed in vast pictures in a technique familiar in this country in lying holiday posters. Hitler, pop-eyed and squintery, as he enters the bunker during his last hours, has all the horror comic technique, only on a larger scale. Amid all this painting for propaganda, there are one or two pleasant surprises. I liked very much the soft greys, greens and blues of "New Sails", and the freshness of "A Warm Day", showing a girl resting from her housework on a window-cill.

No one can say that this exhibition is too vast to comprehend. The second visit, so often intended and so seldom made, to Academy exhibitions, is for once not necessary. However, this exhibition is worth seeing mainly for the icons and three portraits painted in the 'thirties and exhibited together in Gallery VIII.

LOOKING BACK ON 1958

Here are some reminders in note form of the more shattering architectural events of the past year:

January.—R.I.B.A. report on the architect's status; Robert Schofield Morris, of Canada, awarded the Royal Gold Medal; Sir William Holford's St. Paul's Precinct scheme approved; British Transport Commission determined to have a design policy; large accidental poultry roasting in the great Smithfield fire.



The Crypt Sanctuary, Coventry Cathedral

February.—Dawbarn's revised scheme for Imperial College announced. Colcutts tower remains. Hereford makes news by appointing its first city architect; pylons threaten Snowdonia; R.I.B.A. finances cause concern, nation-wide mutterings; Basil Spence design for Queen's College, Cambridge, has mixed reception (as modified and published in December had no reception at all. Abner likes it either way); L.C.C. scheme for Hyde Park Corner and Marble Arch published; Park Lane and East Carriage Way to be one way each; loathsome name of Hyde Park Boulevard mercifully dropped.

March.—Plan for partial reconstruction of Stonehenge announced, a few people object; Minister photographed with model cranes; regulations for Thermal Insulation (Industrial Buildings) Act, 1957, issued by M.O.F & P.; London Planetarium opened; new campaign against litter launched with soppy poster of a dog; Abner makes known strong dislike for insanitary habits of dogs generally.

April.—Eric Lyons, at the R.I.B.A., tells speculative builders how its done; Brussels Exhibition opened; Oxford conference on architectural education, many uninvited persons noses out of joint; accidents in the building industry, progress towards reduction, leader comments on M.O.L. & N.S. report; Abner gets sore feet at Brussels Exhibition and writer's cramp afterwards.

May.—New High Altar at St. Paul's dedicated; various bodies issue statement on the future of the new towns, can anyone remember what they said?; Basil Spence nominated as P.R.I.B.A., and has fine show of ecclesiastical work in Academy summer exhibition, which for some reason Abner fails to attend; results of a competition for a standard factory announced.

June.—Costain's hold a recruiting meeting, with film, at Claridge's. Sir Richard begs mothers and potential ditto to put their sons in building; David Murton Jeffrys wins R.I.C.S. Gold Medal for paper on the future and structure of the building industry, architects pay no regard; John Summerson knighted; Peter Trench to be director of the N.F.B.T.E.; Peter & Alison Smithson in association with Peter Sigmonde-Wonke win third prize in Berlin planning contest.

July.—Basil Spence, P.R.I.B.A., N. Aylmer Water, P.T.P.I., and John Gloag receive Bi-centenary Medal from R.S.A.; idea for impeding traffic circulation still further by means of push button pedestrian crossings severely handled by Abner; Raymond Erith appointed to repair No. 10 Downing Street; big increase in slum clearance announced; Hatfield roofs inquiry report published; Abner has well-earned holiday, but posts series of dazzling reports from Italy; A.R.C.U.K. fees increased; I.U.A. meets in Moscow.

August.—Chiswick House reopened, Georgian Group meets there in a storm of rain; Son et Lumière 2nd edition at Greenwich; R.I.B.A. tries to discover how long it takes to build a building and inquires into the question of architects on builders' staffs; Bristol architects start a column in their local evening paper; Abner has misgivings about a Northumberland Planning Committee cum Civic Trust scheme for plaques for good design.

September.—Architects invited to design a door-handle; Dublin Building Centre to be formed; Bowes reports on Inland Waterways published; Abner comments on suggestions for the Norfolk Broads.

October.—Graham Dawbarn retires; L.C.C. puts on an exhibition to persuade industry to move to the country; winning design by Viljo Rewell for Toronto Town Hall causes a stir; Gordon Ricketts to be new secretary, R.I.B.A.; R.I.B.A. joins *Ideal Home* magazine in sponsoring small house competition.

November.—Hatfield announces a new type of pub with community centre attached (or vice versa); Erno Goldfinger fights it out at the Vale of Health inquiry; entries invited for competition to design sanitary ware; Government decides not to develop greater part of Colonial Office site, and earns several good marks thereby.

December.—Report on R.I.B.A. Council published; Cambridge University announces honours degree in architecture; Preston by-pass, our first stretch of motorway, opened; P.R.I.B.A. presents awards in Manufacturers Trade and Technical Literature Competition; Arthur Ling designs a University for Coventry; Le Corbusier exhibition opens at the Walker Art Gallery, Liverpool; Neville Conder's design for a new telephone kiosk accepted by P.M.G.; students of the R.C.A. began a well-intentioned, but not terribly well informed campaign against ugly buildings.

New Year's Eve.—Crypt of Coventry Cathedral consecrated.

THE NEW YEAR'S HONOURS

Congratulations to all those concerned with the Arts, Architecture and Building who received honours on New Year's Day!

Mr. Anthony Part, who becomes a C.B., is Under-Secretary at the M.O.E., concerned with Further Education. If and when a national college for the building industry is founded it will be his baby. Mr. Edward Mills, who becomes a C.B.E., is well known to A. & B.N. readers for his technical articles and detail sheets.

Mr. J. M. Richards, architectural correspondent of *The Times*, member of the R.F.A.C., member of the C.o.I.D., author and broadcaster, has done a very great deal for architecture and his appointment as a C.B.E. will be widely applauded. As one of our most outspoken and fearless architectural critics, this official recognition of his talents is doubly welcome.

ABNER

NEWS

New Year Honours

Companion of Honour: Sir John Davidson Beazley, Emeritus Professor of Classical Archaeology, University of Oxford (for services to scholarship). Sir Kenneth Mackenzie Clark, chairman, Arts Council of Great Britain.

Knights Bachelor: Alderman Isaac James Hayward, J.P., leader of London County Council. John William Laing, president, John Laing & Son Ltd. Robert Owen Lloyd, O.B.E., a former president of the N.F.B.T.E. (for political and public services in Birkenhead).

C.B.: F. J. Anderson, lately Principal Regional Officer, Manchester Region, Ministry of Housing and Local Government. A. A. Part, Under-Secretary, Ministry of Education.

C.M.G.: Roland Cecil Cooke, C.B.E., Director, Exhibitions Division, Central Office of Information (for services in connection with the British Government Pavilion at the Universal and International Exhibition, Brussels).

G.B.E. (Foreign Office List): Sir John Balfour, G.C.M.G., Commissioner-General for the United Kingdom, Brussels Universal and International Exhibition, 1958.

C.B.E.: L. P. Ellicott, Deputy Chief Technical Planner, Ministry of Housing and Local Government. L. J. Gardner (for service in connection with British Government Pavilion at the Universal and International Exhibition, Brussels). J. W. Pope-Hennessy (for service to the fine arts). Edward D. Mills (for service in connection with British Industry Pavilion at Universal and International Exhibition, Brussels). E. J. Pasmore, artist. J. M. Richards, joint editor, *Architectural Review*, architectural correspondent *The Times*, director, Architectural Press.

M.V.O.: A. B. Knapp-Fisher, architect.

O.B.E.: C. E. Culpin, architect. C. Gorrod, Superintending Architect, Ministry of Works. W. R. W. Harding, Chief Horticultural Officer, Imperial War Graves Commission. C. J. Lansdell, Designer, British Industry Pavilion, Brussels Exhibition. C. G. Rowlands, secretary, National Federation of Building Trades' Employers. J. Shearer, senior partner, James Shearer & Annand, architects, Dunfermline. R. G. Townsend, Manager, City of London Office, War Damage Commission and Central Land Board. C. J. Wood, Principal, Ministry of Housing.

M.B.E.: T. A. Bailey, Senior Architect, Ministry of Works. L. A. Grealey, director, Frank W. Clifford Ltd. (for service in connection with the British Government Pavilion, Brussels Exhibition). W. T. Hall, personal secretary to the architect to the L.C.C. F. G. H. Kieft, Senior Assessor, War Damage Commission and Central Land Board. W. Manson, experimental officer, Edinburgh Office, Geological Survey and Museum Department of Science and Industrial Research. C. B. Martin, Inspector of Works (Buildings), No. 7 Works Area, Honington. H. W. T. Williams, Higher Executive Officer, Ministry of Housing.

B.E.M.: W. G. Harris, bricklayer instructor, Rotherham College of Technology.

New President R.I.A.S.

Mr. T. H. Thoms, senior partner of Thoms & Wilkie, architects, Dundee, has been made president of the Royal Incorporation of Architects in Scotland. At 49 he is the youngest man to hold office.

New R.D.I.

The Council of the Royal Society of Arts have appointed Mr. Misha Black, O.B.E., to the Distinction of Royal Designer for Industry (R.D.I.) in recognition of his work for exhibition and interior design.

F.I.O.B.

The two junior vice-presidents of the L.M.B.A., Mr. E. J. Cook and Mr. R. F. Mansell, have been elected to Fellowships of the Institute of Builders.

Landscape Design Centre Proposed

The Institute of Landscape Architects is contemplating setting up a Landscape Design Centre at its new premises at 1 Park Crescent, Portland Place, W.1, where students could discuss landscape design and receive criticism of their designs in preparation for the institute's examinations. It would also be a centre to stimulate creative design but it is unlikely that formal lectures would be given. Before setting up such a centre, the institute wishes to assess the demand and asks all who are interested to write to the secretary giving full particulars.

The institute says that it is concerned about the lack of educational facilities in London for the training of landscape architects. It comments: "The facilities for the training of landscape architects in London are at present restricted to the pre-Intermediate evening course at London University, and the demand for places at this university exceeds the present capacity. There are no facilities in the London area for training beyond the Intermediate level."

A.A. School Entrance Examination

The entrance examination for admission to the first year of the Architectural Association School of Architecture will be held on April 13, 1959 (followed by an interview on April 14 to 16). April 1 is the closing date for applications. All candidates who are applying for entrance scholarships must take the entrance examination and must be seventeen years of age, or over, on September 1, 1959.

The selection board for admission to years other than the first will be on May 4, 1959, followed by interviews in the afternoon and on May 5 and 6. April 1 is the closing date for applications. All candidates must appear before the selection board.

A series of entrance scholarships are offered for 1959 by the Council of the Architectural Association. The principal one is the Leverhulme Scholarship to the value of £2,500 over five years.

The scholarships, which are offered to applicants of British nationality, are tenable in the first instance for the first year, and may be renewed from year to year for the remainder of the course, subject to the holder's continued progress and need for such assistance. The total tuition fees at the school are £180 per annum. There is also a senior entrance scholarship, value £50 a year. This scholarship, which is tenable for two years, is open to students of British nationality who have passed the Intermediate Examination of the R.I.B.A., either externally or at another recognized school of architecture, and is for entry to the fourth year of the course and subject to satisfactory progress by the student will be renewed for the fifth year.

Particulars and application form are obtainable from the Principal, Architectural Association School of Architecture, 34/6 Bedford Square, W.C.1.

Plastering Contractors' Federation Officers

At the annual general meeting of the National Federation of Plastering Contractors in London, the following were elected officers for 1959: President, Mr. P. A. James (London); senior vice-president, Mr. J. S. Cothill (Liverpool); junior vice-president, Mr. G. J. Foreman (Southern Counties); honorary treasurer, Mr. H. Humber (London); immediate past-president, Mr. D. V. Ormston (Stockton-on-Tees).

Plastering Awards

The Plasterers' National Joint Advisory Committee announces the award of the following trophies for results achieved in the City and Guilds examinations in plasterers' work, 1958:

The Crombie Trophy has been awarded to the Willesden Technical College. The Clanrye Trophy, which is presented by the National Association of

Operative Plasterers, has been awarded to the City of Liverpool College of Building.

The Tyzack Silver Trowel has been awarded to Thomas Richard Sutton, a student at the Bromley College of Art, for the best result in the final examination. The Tyzack Stainless Steel Trowel has been awarded to Brian Frederick Pegg, a student at the L.C.C. Hammersmith School of Building and Arts and Crafts, for the best result in the intermediate examinations.

Building Teacher's Silver Medal

Mr. Albert Edwins, of the Adcroft Secondary Technical School of Building, Trowbridge, was presented with the L.M.B.A.'s Building Teacher's Silver Medal at the December meeting of the L.M.B.A. Council. He was also presented with a cheque for £25, the cash prize which accompanies the award. The presentation was made by the president, Mr. Stanley Farrow.

The L.M.B.A. awards a silver medal each year to the best student taking the City and Guilds of London Institute's Technical Teachers' Training Certificate examination, who is teaching or intending to teach building subjects. So far all the winners have come from outside London.

Mr. Edwins holds the City and Guilds of London Institute's full technological certificate in carpentry and joinery, and has spent twenty-two years in the building and allied industries.

Housing Progress, November

The number of permanent houses completed in Great Britain during November was 23,064, compared with 26,480 in November, 1957. In the first eleven months of 1958, 250,444 permanent houses were completed compared with 277,191 in the same period of 1957.

A total of 1,947 new houses was completed in Scotland in November, bringing the figure for the first eleven months of 1957 to 29,925. This was 914 more than in the same period last year.

Royal Society of Health Honours

Sir Alfred Bossom, B.T., M.P., has been made a Life Fellow of the Royal Society of Health in recognition of his outstanding contribution to public health.

The following are among those upon whom Fellowships have been conferred in recognition of their noteworthy president of the Incorporated Society of Auctioneers and public health work: Mr. William Berners-Price, past-Landed Property Agents; and Mr. Francis George Fleury, O.B.E., president, Royal Institution of Chartered Surveyors.

Professional Announcements

The partnership of Fry, Drew, Drake & Lasdun will now practise both from 63 Gloucester Place, London, W.1 and from new premises at 3 Albany Terrace, London, N.W.1. (Telephone: Hunter 1822/6.) Of the senior partners, E. Maxwell Fry and Jane B. Drew will remain at 63 Gloucester Place, W.1, and Lindsey Drake and Denys Lasdun will move to the new address.

Mr. William Ryder, A.R.I.B.A., A.M.T.P.I., DIP.T.P.(LOND.), has changed his address to 21 Bruton Street, Berkeley Square, London, W.1.

L.M.B.A. Lunch

The Lord Mayor of London, Alderman Sir Harold Gillett, M.C., T.D., has accepted the invitation of the Council of the L.M.B.A. to take luncheon with them in the Savoy Hotel on Friday, May 1, 1959. The new President, Mr. K. J. Pearce, T.D., will preside.

Law and Administration

Development Plans

The Minister of Housing and Local Government has approved Part B of the Kent Development Plan. This part of the plan affects the Boroughs of Bexley, Dartford, Erith and Gravesend, the Rural District of Dartford and part of the Rural District of Stroud. The rest of the county was dealt with by Part A of the County Plan approved early last year.

The Minister has made certain modifications to the plan of which two are of major importance. The amount of land allocated in the plan for industrial development in the Thames-side area has been substantially reduced, the Minister remarking in his approval letter that there is already a heavy concentration of industry in that area. The other major modification is the deletion from the plan of the line of the proposed Swanley By-pass which was included at the request of the Minister of Transport, a fresh proposal for that road now being under consideration.

The plan now approved affects some 1,500 square miles in which live about 1,600,000 people. This approval brings the numbers of approved plans to 121 and leaves some 32 plans which have been submitted to the Minister yet to be approved.

Local Government Commission

As a further step towards the review of local government, *The Local Government Commission Regulations, 1958*, have been made. The Regulations set out the matters to which the Commission are to have regard when making their investigations and list a number of small procedural requirements. Any submissions which are made to the Commission will have to pay close regard to the list of matters enumerated. The list of factors which must always be considered by the Commission in any review are:

- (a) Community of interest;
- (b) Development and expected development;
- (c) Economic and industrial characteristics;
- (d) Financial resources measured in relation to financial need;
- (e) Physical features, including suitable boundaries, means of communication and accessibility to administrative centres and centres of business and social life;
- (f) Population—size, distribution and characteristics;
- (g) Record of administration of the local authorities concerned;
- (h) Size and shape of the areas of local government;
- (i) Wishes of the inhabitants.

Trees in Towns

The Minister of Housing draws attention in *Circular 59/58* to the publication by his department of a new booklet, *Trees in Town and City*.

The booklet deals with the part which trees can play in civic design. It contains many illustrations showing how trees can contribute to the appearance of towns and cities, and it includes information about choice of species and the planting and maintenance of trees.

The booklet is published by H.M.S.O. at 7s 6d.

Guarantees to Building Societies

Difficulties have arisen where a local authority have guaranteed a mortgage and in due course the property concerned has been sold. The schemes in question were outlined in *Circular 45/55*.

To meet the difficulties encountered the Minister of Housing advises, in *Circular 56/58*, that in certain instances a new paragraph should be added to the model form of guarantee. The new paragraph, set out in the present circular, will be needed only when the local

authority wish to be in a position to restrict their guarantee to the original mortgagor or to someone purchasing from him of whom the local authority expressly approve.

Coming Events

The Building Centre

January 7 at 12.45 p.m. Film, "Timber Exposed", by Hickson's Timber Impregnation Co. (Gt. Britain) Ltd. At 26 Store Street, London, W.C.1.

January 14 at 12.45 p.m. Film, "Tale of a Terminal" and "Costain at Kariba", by Richard Costain Ltd. At 26 Store Street, London, W.C.1.

The Association of Supervising Electrical Engineers

January 7 at 7.45 p.m. Lecture Competition. "Electricity in Operating Theatres", by N. C. Harding; "Planning Installations in Colleges of Technology", by L. A. Grant. At the Prince of Wales Hotel, S.W.19.

January 9 at 7.30 p.m. "Underfloor Heating", by A. Thomas. At the Industrial Development Centre, Paradise Street, Liverpool, 1.

Cement and Concrete Association

January 8 at 6 p.m. "Recent Advances in the Testing Control and Evaluation of Concrete", by R. Goodacre, B.Sc., Ph.D. At the James Watt Memorial Institute, Gt. Charles Street, Birmingham, 3.

Royal Institution of British Architects

January 8 at 6 p.m. "The Moscow Congress, 1958", by R. Matthew, C.B.E., A.R.S.A., M.A., F.R.I.B.A., A. W. Cleeve Barr, A.R.I.B.A., A. Ling, B.A.(ARCH.), M.T.P.I., F.R.I.B.A., and P. Drake, A.R.I.B.A. At 66 Portland Place, W.1.

January 12 at 6 p.m. Evening for Library Group on Giuseppe Manocchi, by Dr. Arnold Noach. At 66 Portland Place, W.1.

January 13 at 6.30 p.m. Discussion on Suspended Ceilings. At 66 Portland Place, W.1.

Ministry of Works

January 9 at 7 p.m. "Preservation of Ancient Buildings", by P. A. Faulkner, A.R.I.B.A. At the North Gloucestershire Technical College, The Park, Cheltenham.

January 13 at 7.15 p.m. "Work Study in the Building Industry", by A. Percival. At the Wolverhampton and Staffordshire Technical College, Wulfruna Street, Wolverhampton.

The Planning Forum

January 12 at 6 p.m. "Master Plan Proposals for Dacca", by P. W. Macfarlane, F.R.I.C.S., M.T.P.I. At 28 King Street, London, W.C.2.

The Illuminating Engineering Society

January 12 at 6.15 p.m. Forum on Home Lighting. At The British Lighting Council, 24 Aire Street, Leeds, 1.

The Institution of Structural Engineers

January 13 at 6.30 p.m. "Some Structures Involving Unusual Design Problems", by C. E. Saunders. At the College of Science and Technology, Manchester.

January 15 at 6.30 p.m. "Roman Public Works Engineering", by P. C. G. Isaac. At the Cleveland Scientific and Technical Institution, Middlesbrough.

The Housing Centre Trust

January 13 at 1.15 p.m. "Housing Landscape", by Miss Sylvia Crowe. At 13 Suffolk Street, Haymarket, S.W.1.

Reinforced Concrete Association

January 14 at 6 p.m. "A Survey of Recent Developments in Reinforced Concrete", by A. W. Hill, B.Sc.(ENG.), M.I.C.E., M.I.STRUCT.E. At 11 Belgrave Street, London, S.W.1.

The Royal Institution of Chartered Surveyors

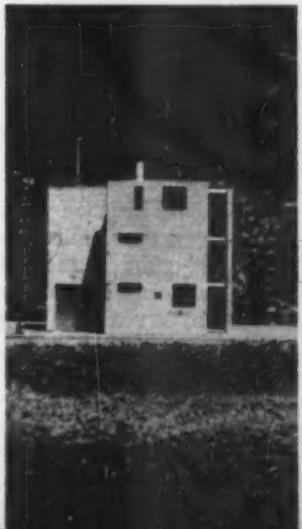
January 14 at 5.45 p.m. "The Maintenance of Modern Buildings", by H. J. Eldridge, B.Sc. At 12 Gt. George Street, London, S.W.1.



A detail of the flats at Ham Common and, below, a proposed house in North London. Both these schemes are described on following pages

IN SEARCH OF ARCHITECTURE—I

This is the first of a number of articles we shall publish from time to time, to illustrate the work of younger men who are striving for individual expression in architecture, and to help readers gain a better understanding of architectural trends. Each article will be introduced by a guest critic. James Stirling and James Gowan, whose work is illustrated here, have been in practice since 1956. The history of Arthur Korn, the critic for this article, is printed overleaf



THE WORK OF JAMES STIRLING AND JAMES GOWAN

ARTHUR KORN

A NEW generation of architects is appearing in England and, for the first time in twenty years, I find that a mutual response and understanding exists. And so, too, after this long interval, can one speak again of English architects on an international level, using the term as one would to classify the best football or cricket teams. True, in this century, there have been English international figures, such as MacIntosh, who was comparable to Wright, Behrens and Hofmann, in Viehna, architects who then led the world. But, since that time, there has been hardly anything worth while built in England comparable, in the '20s and '30s for instance, with the work of Aalto, Corbusier, the Russian Constructivists, Lissitsky, Malevitch, Tatlin or the German movement. It would be worth considering a few reasons why this latter movement had such power. Three factors must be understood; the importance of the Russian revolution and its attempt to change the world for all people, and the 1918 German revolution with a vision of complete change. Secondly, the example and influence of the Russian Constructivists with their slogan "art for the people" and, thirdly, the existence already of a strong and developing modern movement from before the first world war, growing in the womb of the old reactionary and orthodox régime of the Kaiser. This was the régime which forced Mies van der Rohe, in 1913, to build his house on the Heerstrasse in a neo-classic manner. Yet, signs of future things were already foreshadowed by Behrens in the Turbine Hall of 1909 and in the art exhibitions at the Tempest (der Sturm), in 1910, where the work of Chagall, Klee, Kandinsky and most of the later Bauhaus masters was shown. The intense atmosphere of transformation was, I remember, the most extraordinary aspect of this group in Germany.



Here, in England, an equivalent situation now exists, and we find the younger generation of architects developing without an established support. It is their courage and conviction which allies them to the *avant-gardists* on the Continent in the 1910s. They believe that architecture is the reflection of a way of life and of a society in transition, creating new activities, new social structures, that architecture sanctifies our daily lives.



As one indication of these potentialities, this work by James Stirling and James Gowan is being published. What characterizes their designs is a directness of approach; their work is not "styled" but pure and full of harmony as we found it in constructivism. There is a thoughtfulness in the expression of everything they find, brick in its beauty and the clearly indicated concrete floors of the flats at Ham. In a "housing study" the service core becomes the hub of the building and, around it, the living quarters revolve. In another scheme, the staircase which links the upper and lower levels of the site crosses the landscape as an independent element of design and innovation; yet it remains simply a staircase.

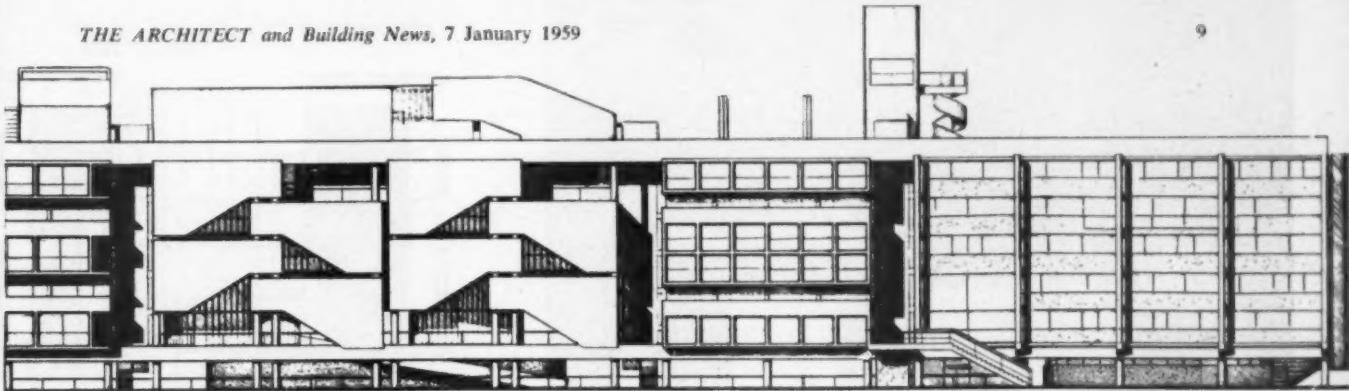
What, then, makes this new generation different from their forerunners and closer also to the continental architects of the '30s? It is their attitude to the unlimited possibilities that surround us, all of which are welcomed as the basis for a new interpretation of materials, functions, expressions and symbols. Coupled with this attitude is a feeling of responsibility for the purity and integrity of each problem, interpreted in its own right. It is such an uncompromising approach that will ultimately establish the environment for which we are all striving.



ARTHUR KORN

Born in Breslau of Jewish parents in 1891; his father was a merchant dealing in machinery. The family moved to Berlin the next year where Korn later attended the Real-Gymnasium, the school for cabinet makers, and the Royal College of Arts and Crafts. On leaving the Royal College in 1911 he worked as an architectural assistant in Halle and Berlin until 1914 when he joined the town planning department of Greater Berlin. He was awarded the Iron Cross during military service with the 5th Grenadier Guards and in 1919 was invited to go into partnership with Erich Mendelsohn—a partnership of six months, after which "we could stand it no longer", says Korn. He then worked on his own and met Walter Gropius as a result of building a fifty-room house for a banker. Gropius requested photographs for his Bauhaus book, International Architecture. From 1922-1934, Korn was in private practice with Sigfried Weitzmann, Dip. Ing. In 1924 he became secretary of the November Group, the members of which were drawn from all artistic activities. He joined the Ring in 1926, where he was associated with Gropius, Mies van der Rohe, and other architects representative of the German avant-garde.

Korn came to England as a delegate to the C.I.A.M. conference in London in 1934. He then spent some years in Yugoslavia and returned to England in 1937. He collaborated with F. R. S. Yorke on eight flats at Lettsom Street, Camberwell, London, in 1938; and became chairman of the M.A.R.S. Town Planning Committee the same year. In 1939, collaborated with E. Maxwell Fry on a project for flats at Shoot-up Hill, London. He joined the teaching staff of the Oxford School of Architecture in 1941, and moved to the A.A. School in 1945.



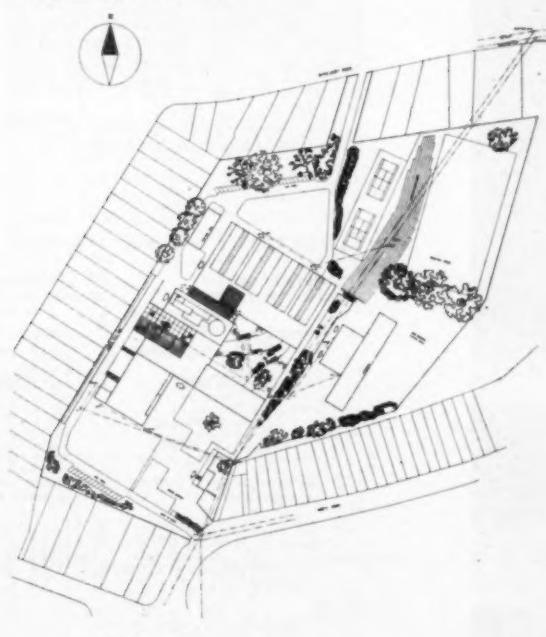
SITE PLAN AND ELEVATION—SHEFFIELD

The important site problem with the Sheffield University project was to overcome the nuisance of the busy main road which bisects the University area. (See site plan.) The "visual" elimination of this road was achieved by raising the terraces in the quad of the existing building, so that views and sight lines out of this area went above the traffic on the road, but were then contained by the facades of the Medical and Arts/Administration buildings from penetrating into the squalor of the surrounding town.

The Arts/Administration building (elevation above) acts as a wall, preventing the campus from overspilling into the town. The site for the projected College of Further Education at Poole was sloping ground, almost completely surrounded with rather dull two-storey housing. (See site plan below.) It was decided to elevate the bulk of the accommodation above this condition and obtain views beyond the site to Poole Harbour. Service access was from the rear and, as the scheme was to be built in parts, each stage of the development is separately articulated.



KEY. A—Library. B—Architecture. C—Arts. D—Staff. E—Administration. F—Physics. G—Chemistry. H—Medical. J—Hall. K—Union and Refectories. L—Boiler House. P—Car Park.

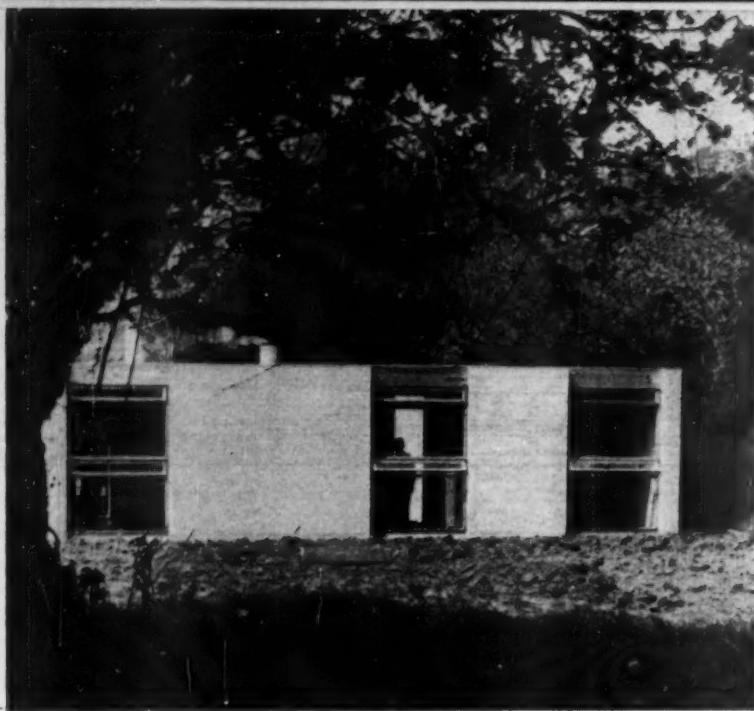


SITE PLAN AND ELEVATION—POOLE

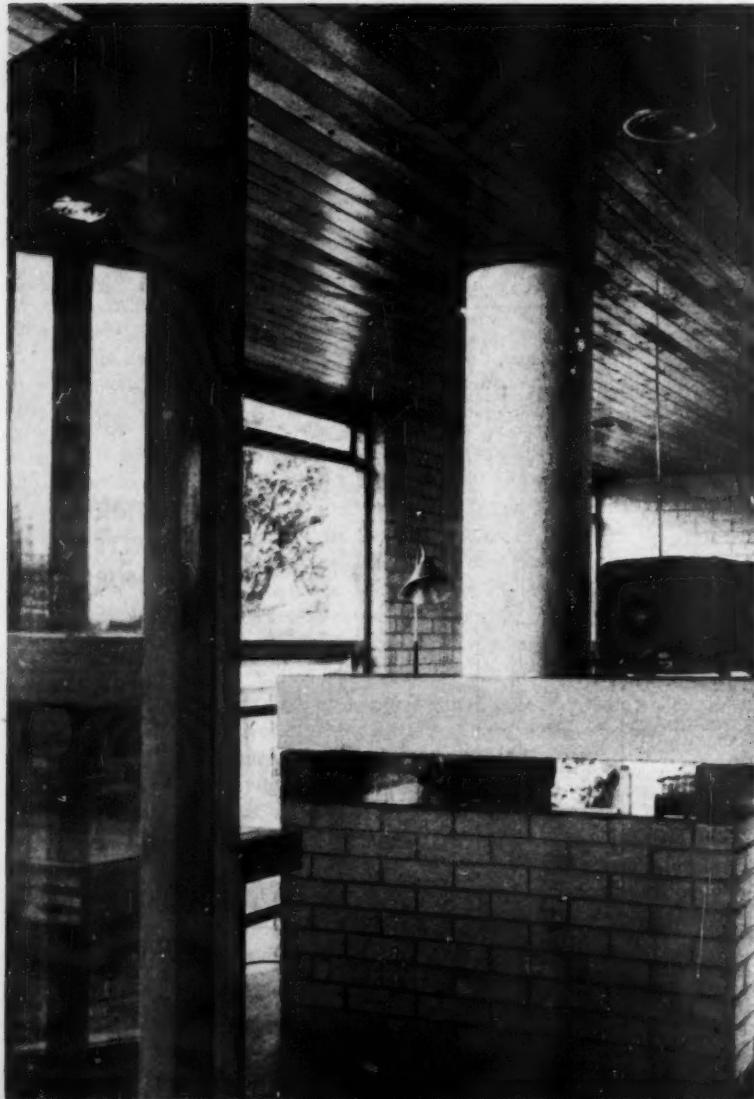


EAST ELEVATION

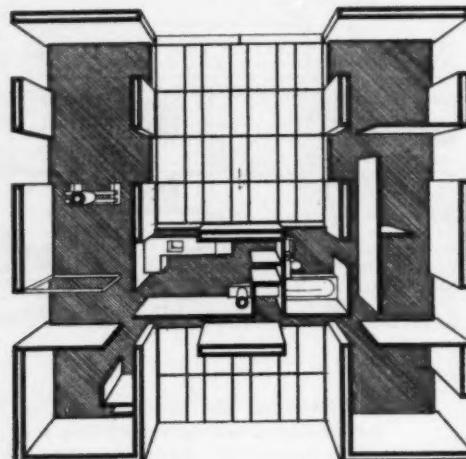
**COMPETITION
PROJECTS
FOR
POOLE COLLEGE
AND
SHEFFIELD
UNIVERSITY**



White brick structural piers find clear expression inside and out. Matt varnished timber, fairfaced concrete blocks and red floor tiles give contrasting finishes internally



THE ARCHITECT and Building News,
7 January 1959



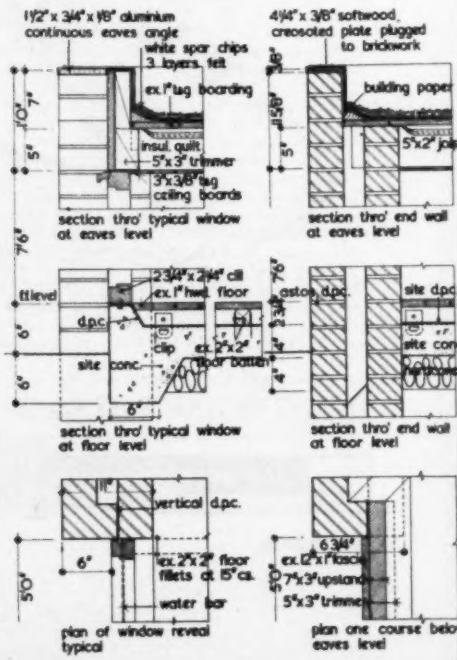
PLAN

A HOUSE IN THE ISLE OF WIGHT

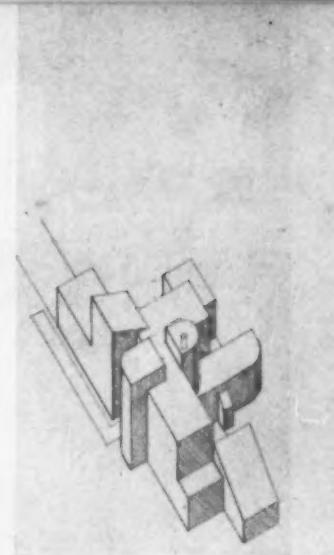
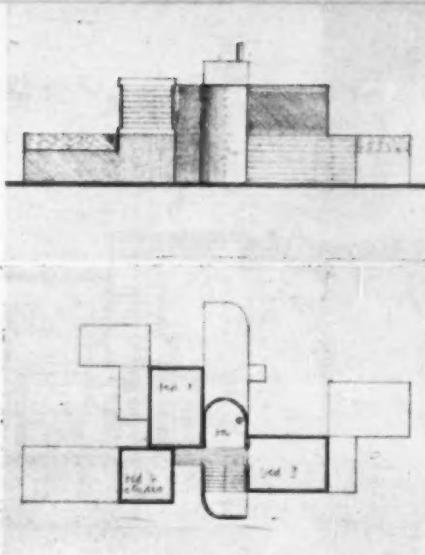
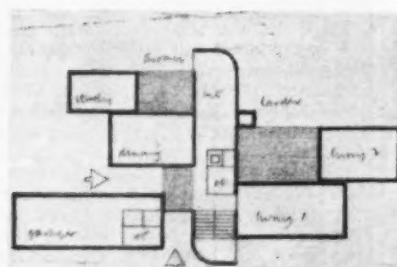
THIS house is situated close to Cowes to satisfy the needs of a painter, his wife and two small children. As with the majority of small houses, cost was a vital factor and this decided a simple repetitive structure in brick and timber best suited to the capacity of the small builder. This idea in sketch form met strong resistance from the County Planning Department and resulted in a three-month delay. Final approval was given with small modifications.

The house covers an area of 1,600 sq ft and the cost was £2,800.

STRUCTURAL DETAIL 1/20 F.S.



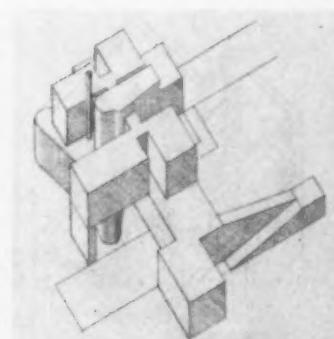
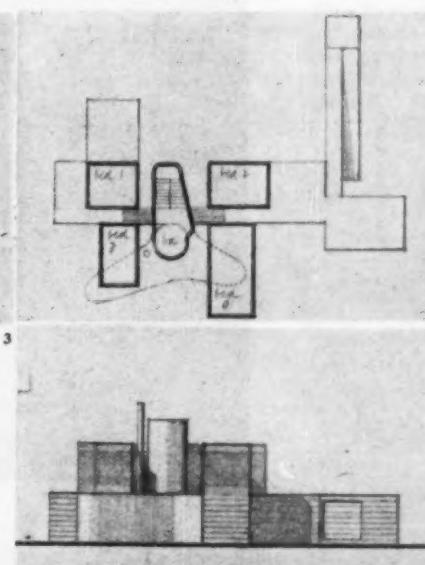
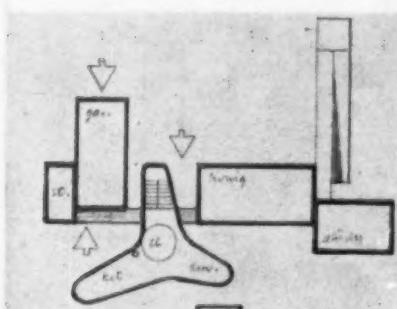
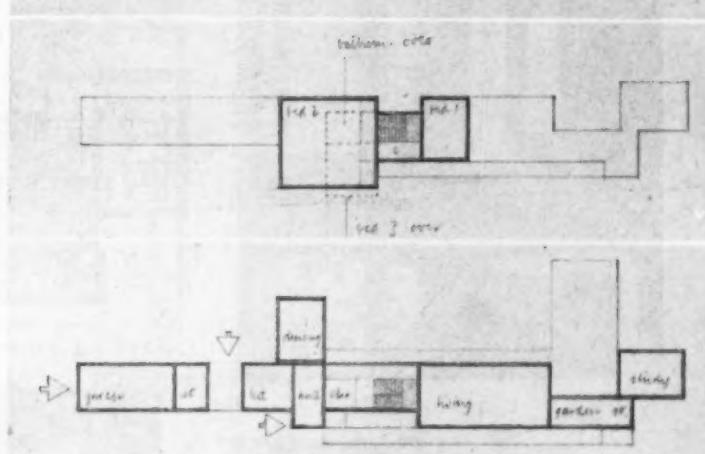
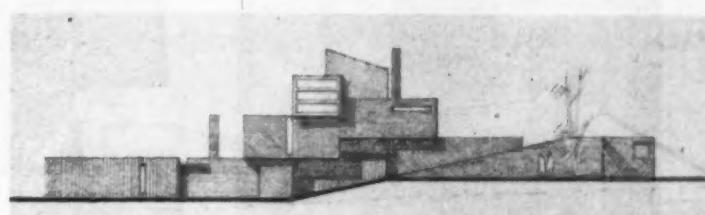
HOUSING STUDIES



THESE are a series of academic exercises which were undertaken when the partnership was first formed to establish a working method. The "one-off" house was chosen and it was assumed that there were no restrictions.

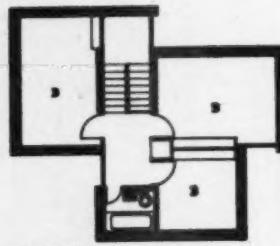
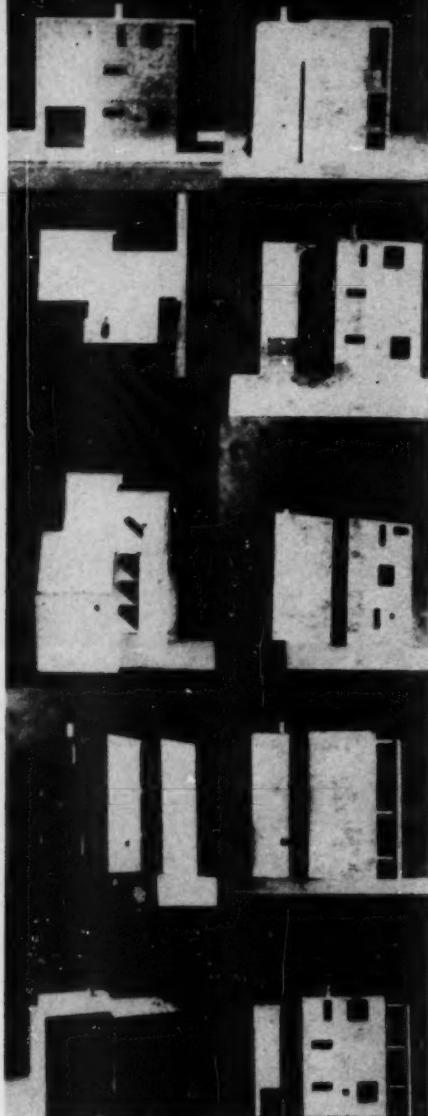
The intention was to establish a range of formal values and, after discussion on the components, sketch ideas were evolved, exchanged and exchanged again. The product did not appear to become less personal by the process.

At that time our evaluation of the house lay in the assertion of the service core (kitchen, bathroom, stair, etc.) as an organization generator and as a recognizable three-dimensional form. It was considered desirable to express separately the existence of each functioning space within the terms of the main discipline and the results tended to be cluster assemblies. We decided that a more spontaneous, less intellectual use of materials, which directly solved each problem as it occurred, was likely to result in a greater vitality. Thus the fabric might be an amalgam of different materials each chosen for an immediate specific purpose.

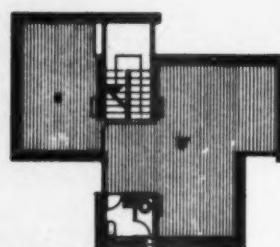


Three studies are illustrated. Elevation, plans, and three-dimensional construction to studies one and three. Plans and elevation to study two

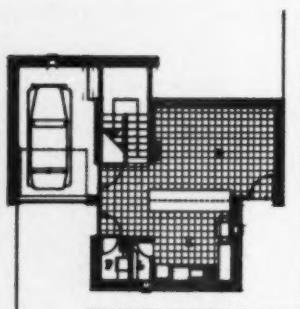
HOUSE IN NORTH LONDON



SECOND



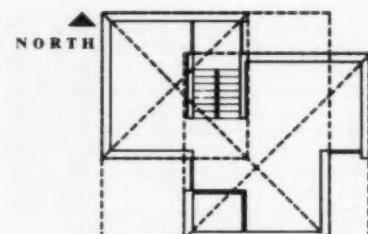
FIRST



GROUND FLOOR

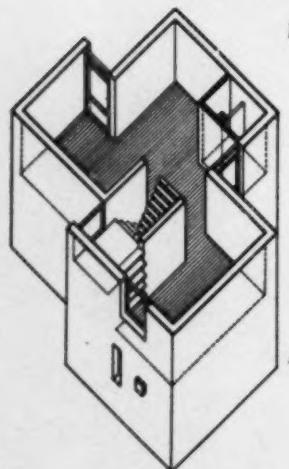
THE site was a left-over corner plot surrounded by acres of suburbia, entirely inter-war, jerry-built, semi-detached ribbon development. The application was rejected by the local authority as not being in keeping with the area! There were no other architect-designed buildings in the area, and the adjoining houses with which the new building was required to harmonize could be considered the worst in our history of architecture and is now frequently referred to as an "outrage".

The entire first floor is a single habitable area, and the ground floor, with the exception of the garage, is considered as one space. A 4ft high counter unit divides the kitchen from the dining area. On the top floor are three bedrooms. The principal sources of daylight (three vertical windows the full height of the building) give an unequal distribution of light to the interior. The diagonal range of internal vision is 34ft across the living room floor.

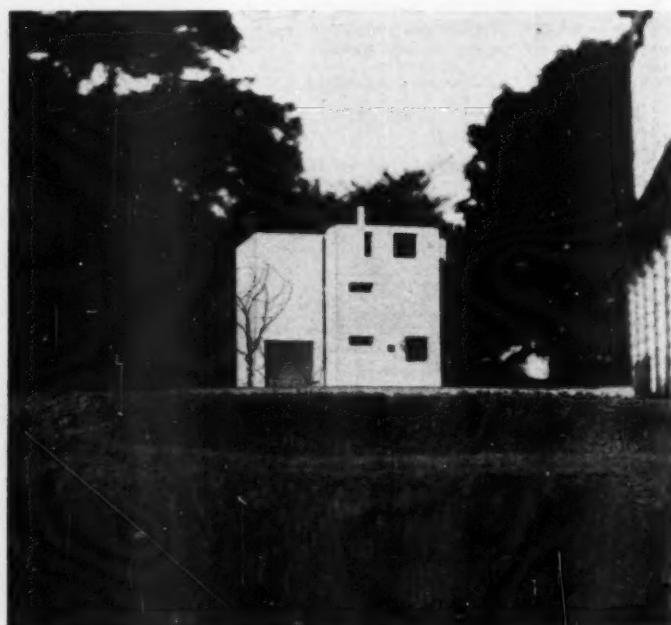


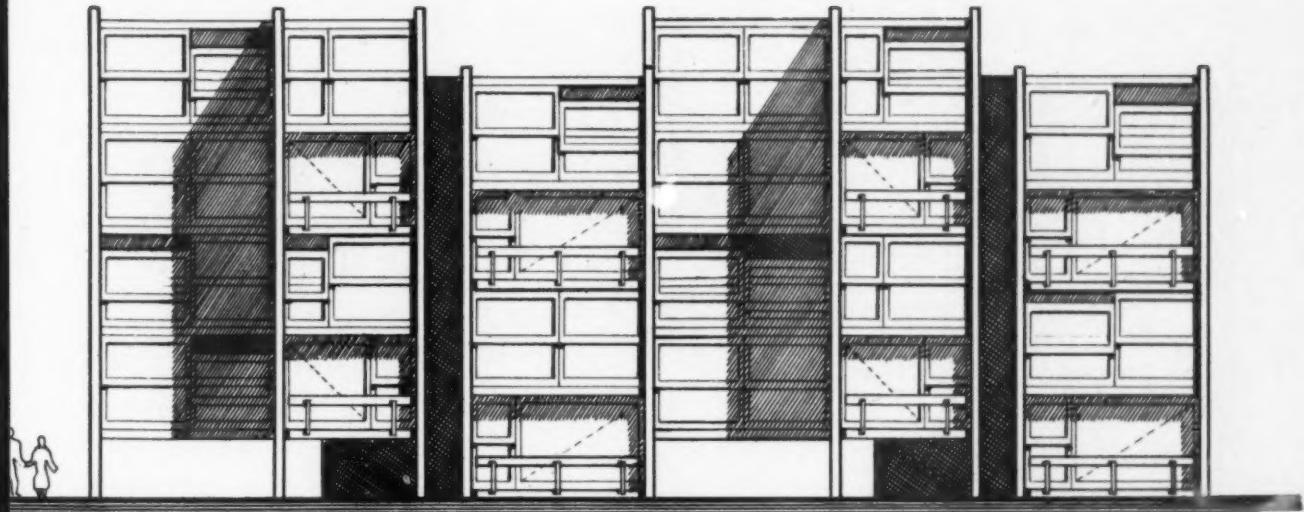
GEOMETRIC ANALYSIS

All structural walls are in brick with timber floor-joists and timber rafters to the roof. The floor finishes change on each floor. All openings are fully glazed, with no fixed panels



AXONOMETRIC



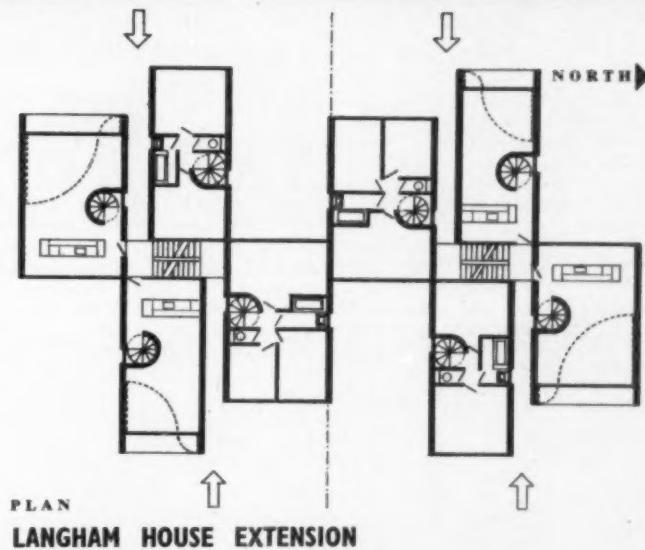
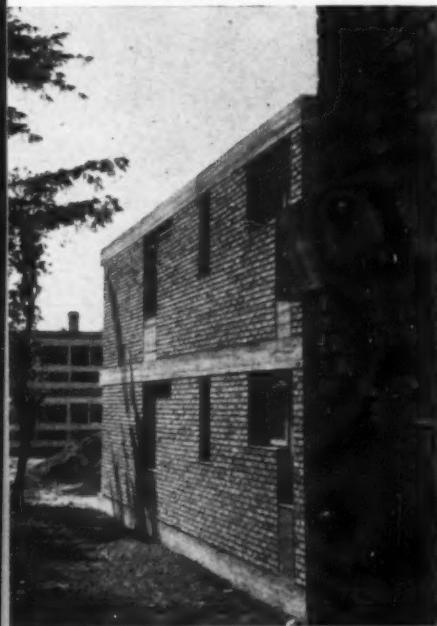
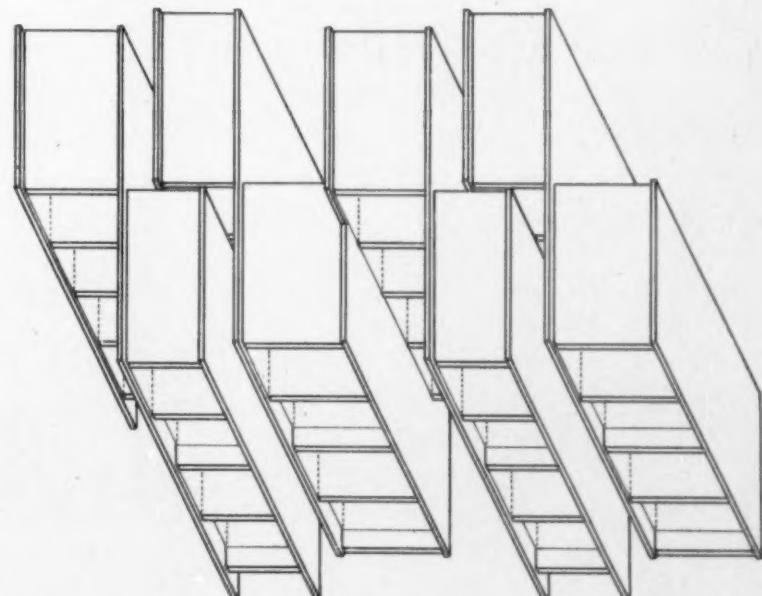


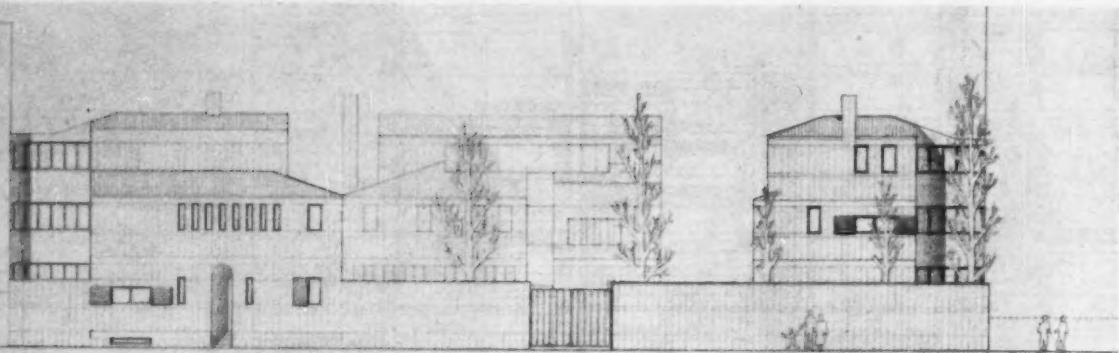
ELEVATION

THIS expansion of the development at Ham Common (see pages 16-18) comprises a single group of 18 maisonettes (9 two bedroom and 9 three bedroom). All rooms are orientated directly east or west.

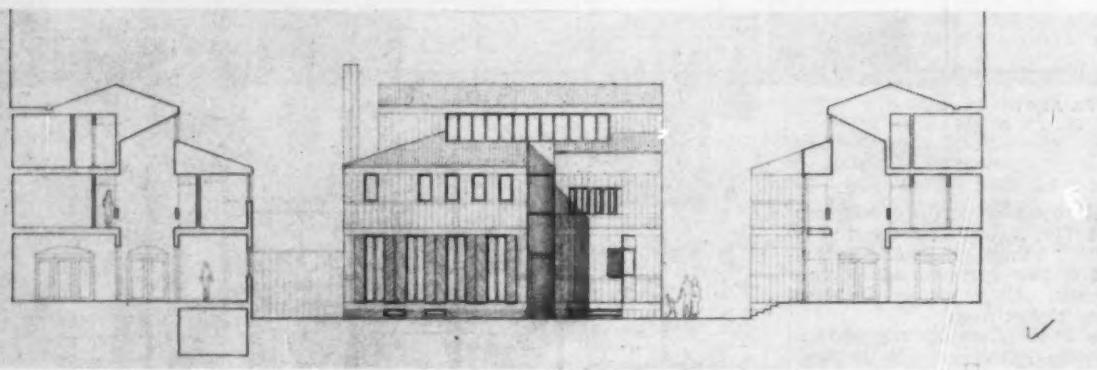
The brick crosswalls are fairfaced both sides, including inside the dwelling. To help stabilize the structure the living room floors are of concrete with a quarry tile finish and underfloor electric heating. Bedroom floors are of timber. The island unit on the living floor contains all kitchen equipment and various storage compartments. Windows are double glazed with vertical sash opening units.

*The existing development
—see pages 16 to 18*

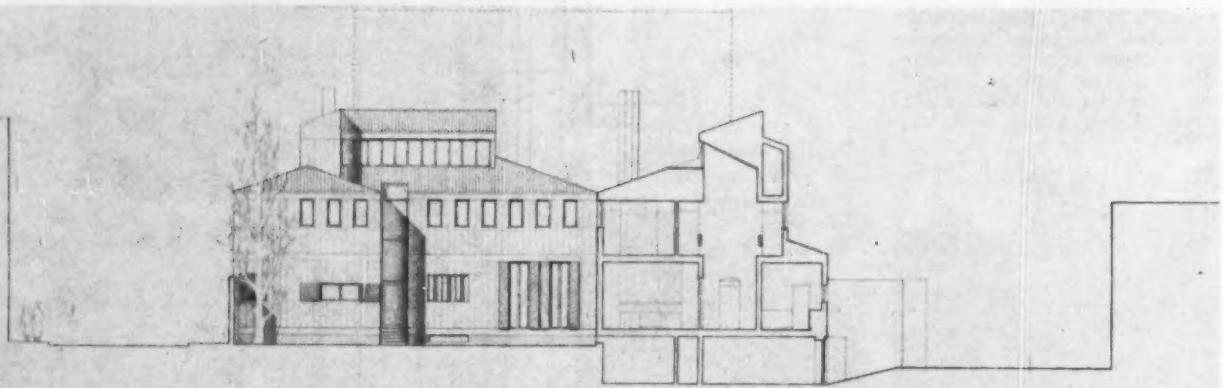
PLAN
LANGHAM HOUSE EXTENSION



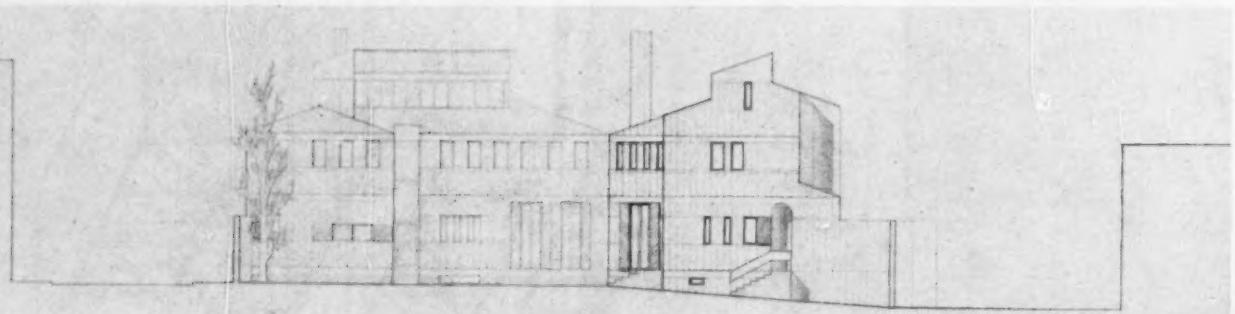
ROAD ELEVATION SCALE 1 IN = 24 FT

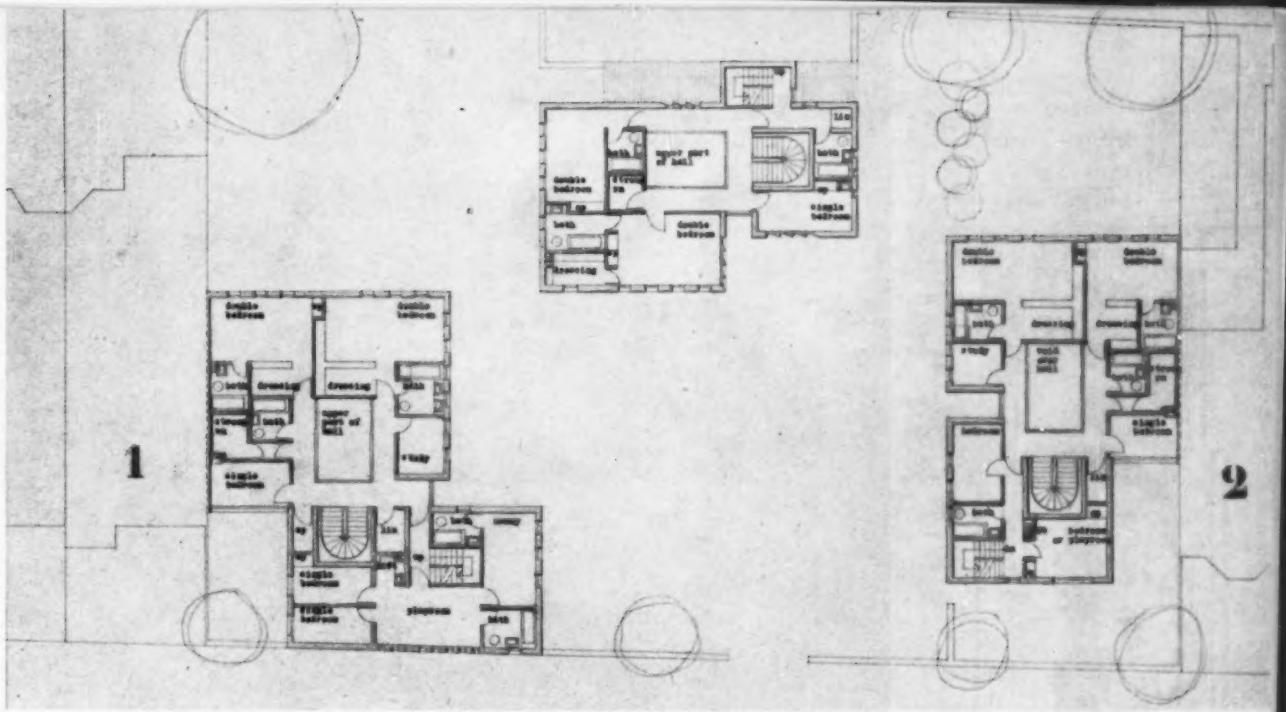


SECTION ACROSS COURTYARD



ABOVE AND BELOW: SECTION AND END ELEVATION OF CENTRE HOUSE





FIRST FLOOR

THREE HOUSES AT HYDE PARK GATE

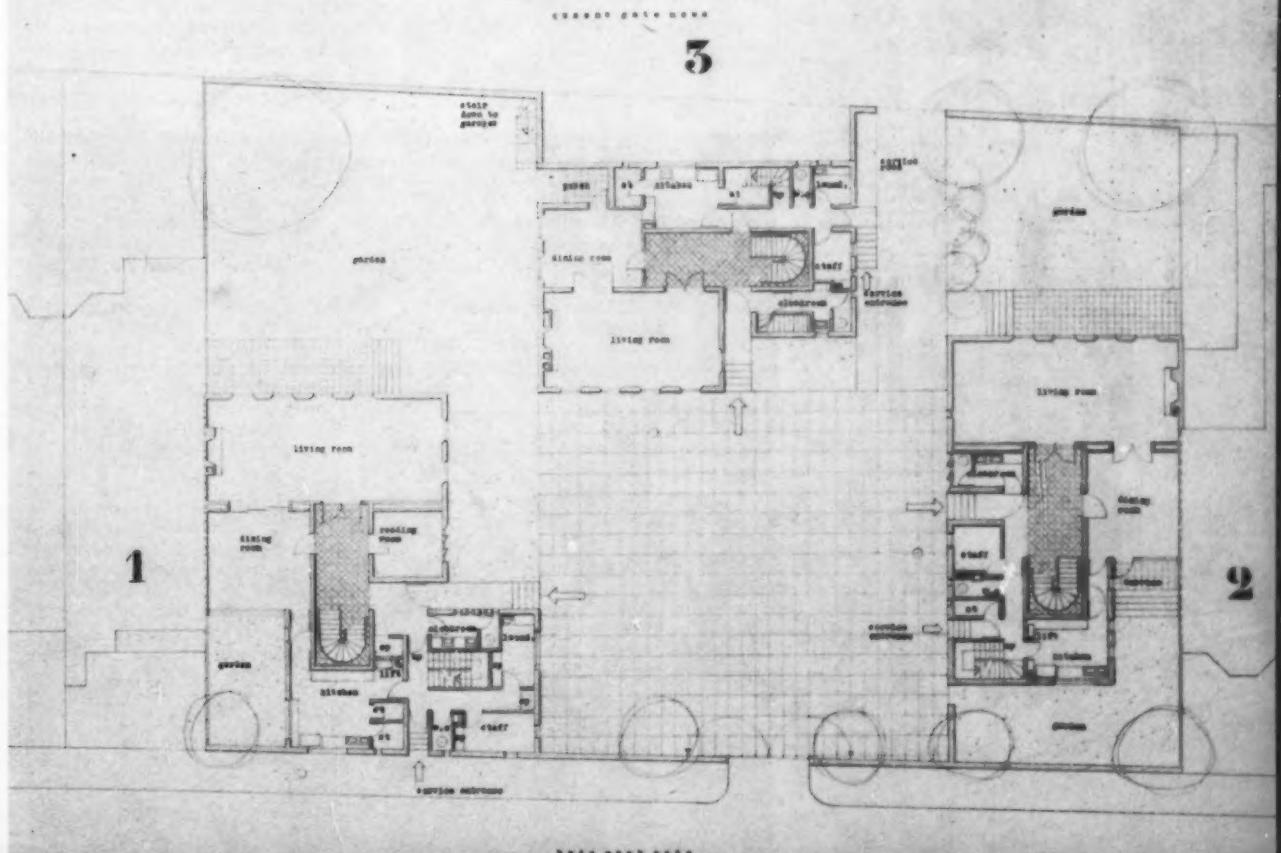
GROUND FLOOR

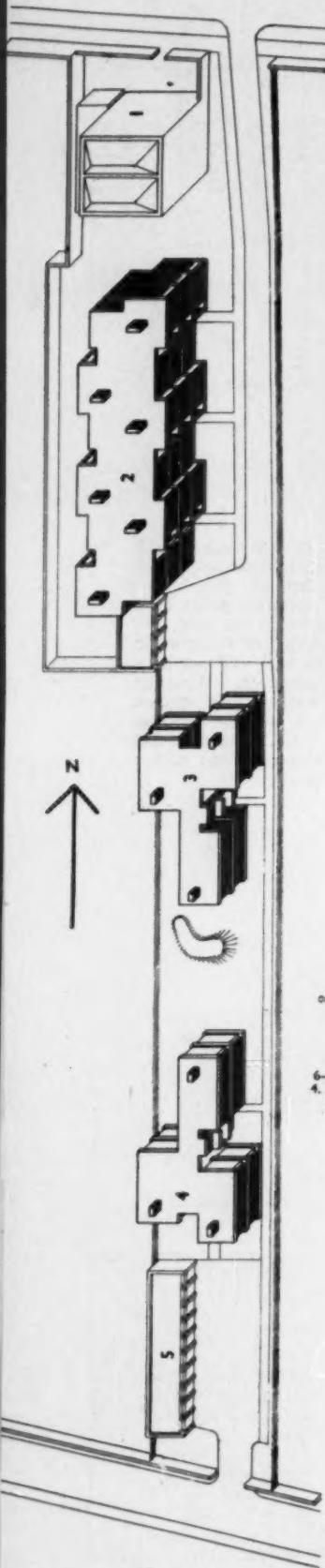
THESE three houses were for Basil Mavrolean (the Greek shipping owner), his two sons and their families. The site is opposite the town house of Sir Winston Churchill and is flanked on either side by seven-storey Victorian terraces.

The client required the houses to be independent but grouped privately with combined access to the street. They were not to exceed three storeys in height. The accommodation required by each family was slightly

different, but common to each was the central top-lighted entrance hall which rises vertically through the house, also the servants' quarters which have always been situated in the roof.

The external walls are veneered in white marble slabs, with exposed floor slabs of rough concrete. Windows are bronze and roofs are of copper, treated chemically to prevent verdigris. Ultimately the L.C.C. decided that this type of development was of too low a density for the area.





Three-storey flats seen from the grounds of the adjacent old-people's homes

FLATS AT HAM COMMON

THE site is a garden of a large Georgian house which fronts onto Ham Common. It is a narrow strip of land with a heavy belt of trees along the entire length of the east boundary. The unusual shape of the site largely predetermined the layout and the daylighting angles from the boundaries conditioned the number of floors in each block. There is restricted road access from both ends of the site, but no through traffic, and the grounds are laid out as communal lawns.

Accommodation

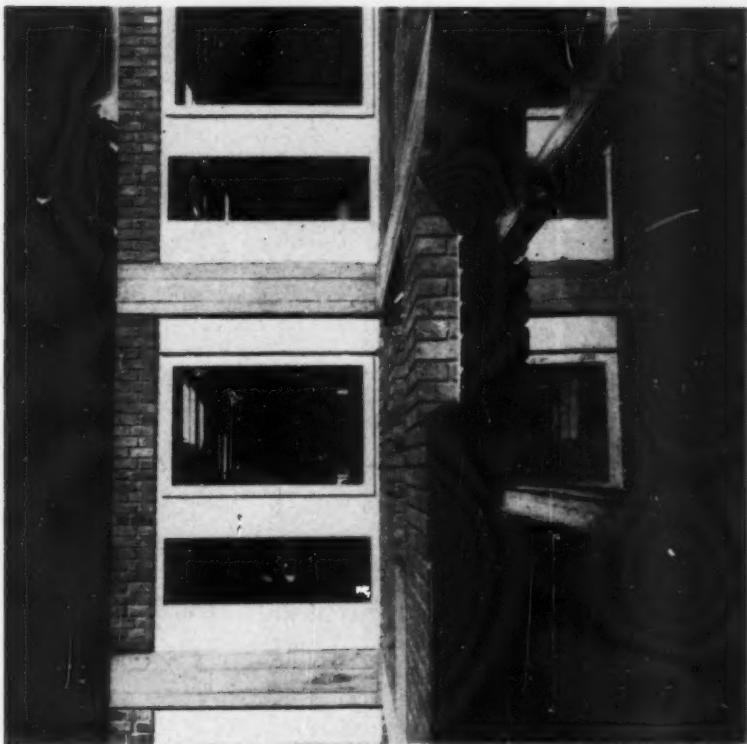
Block one (three storeys) contains 18 flats (three one-bedroom, nine two-bedroom and six three-bedroom) which are all based on the same interlocking and handing plan. The living room, kitchen, balcony and plumbing remain the same for either one, two or three bedroom combinations. There are three separate entrance halls with staircases and

each provides access to two flats at each floor level. Horizontally, the alternating units are handed about a continuous structural spine wall. This is reflected on the exterior where the living rooms project forward and the bedrooms of the adjoining flat are set back.

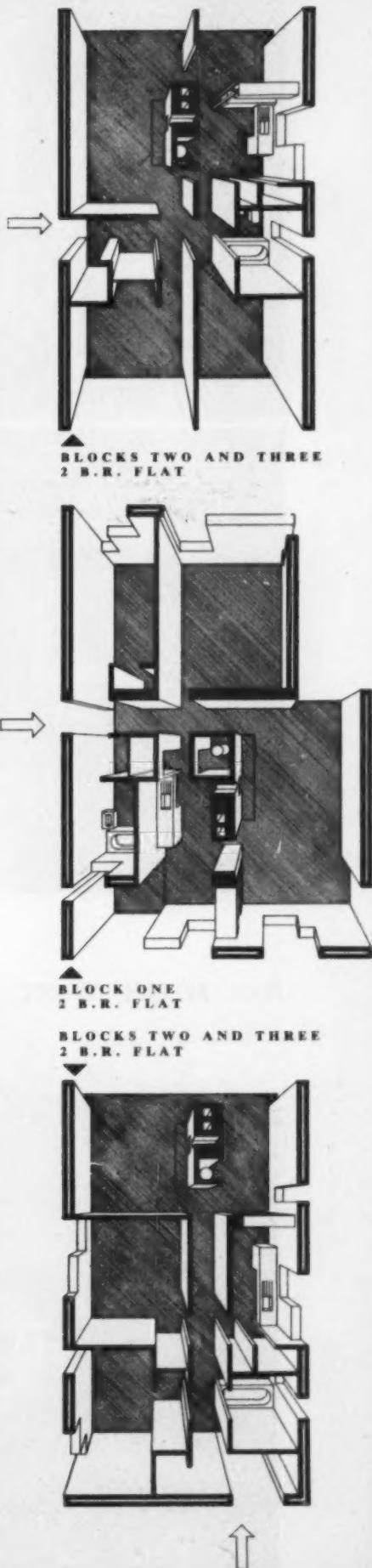
Blocks two and three (two storeys) contain six flats each (all two bedroom) and except for a handed rearrangement both blocks are identical. In each the central space is a double height entrance hall with a suspended access gallery at first-floor level to provide entry to the upper flats.

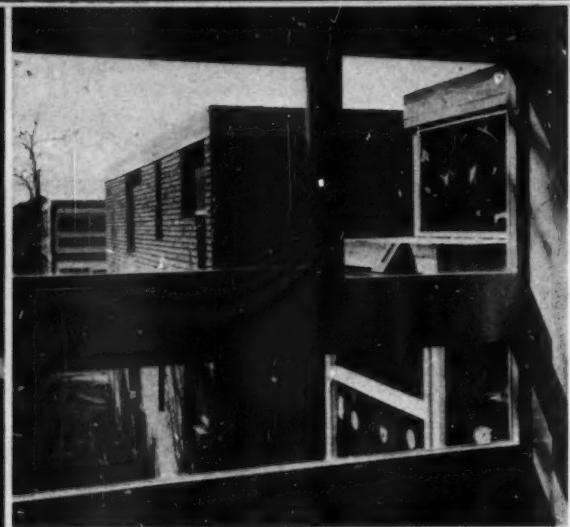
Structure

The structural walls are of load-bearing brick, with floors, roofs and staircases of *in situ* reinforced concrete. Externally and inside the entrance halls, these materials are left exposed: London stock bricks and timber shuttered concrete. Inside the flats, walls and ceilings are plastered and painted white.



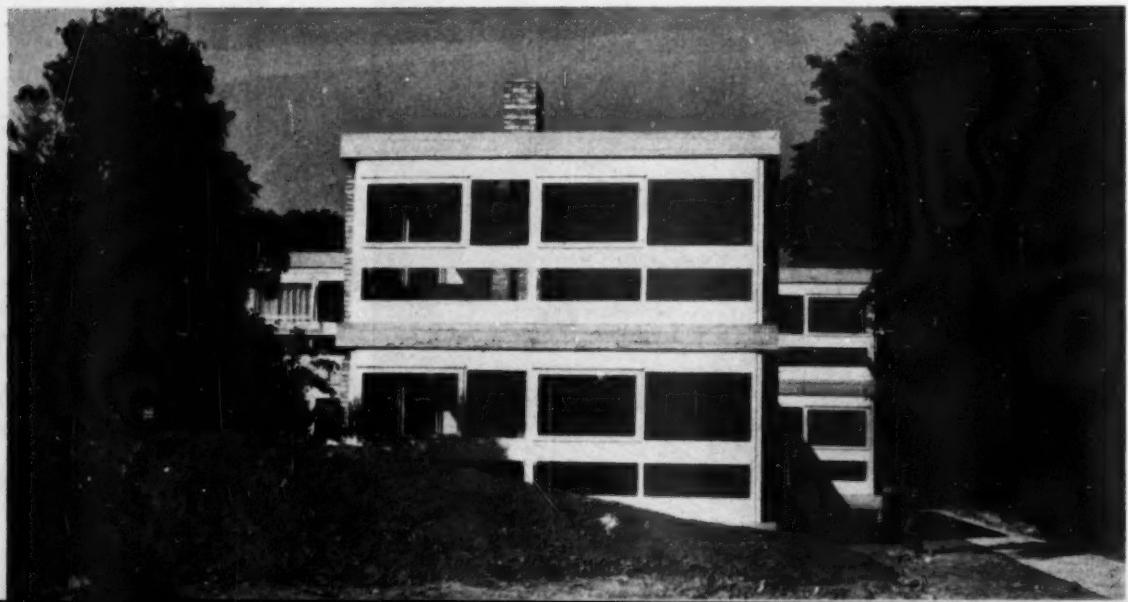
Above, living-room windows in block one. These occur as a result of the re-entrant form of the plan. Below, a corner detail of the bedroom windows. Structural brick walls on the east and west sides stop short of concrete edge beams to give clerestorey windows in all rooms. Remaining portions of the wall are carried up a minimum necessary to support the superstructure





FLATS AT HAM COMMON

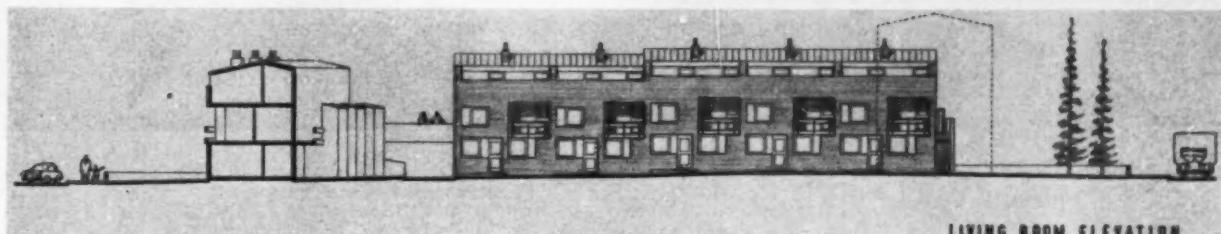
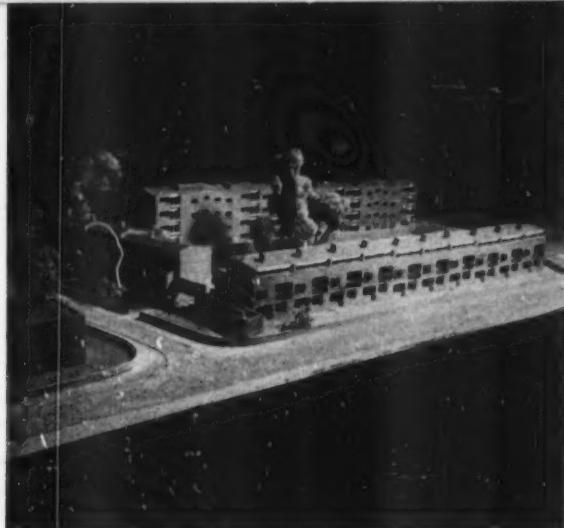
Top left, the fireplace stack which acts as a partial division between living and dining areas in block two is seen to stop short of the window unit (see plan on page 17 and external view below). Top right, looking down the site from one of the bedrooms in block two. Centre left, a kitchen in block one. The servery gives access to the living area. Centre right, a corner of one of the kitchens in block two showing the effect produced by clerestorey lighting. Below, block two seen from the south



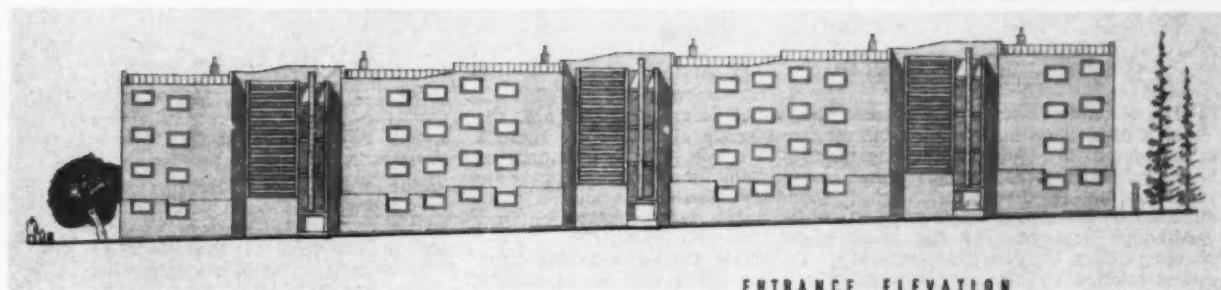
LOCAL AUTHORITY HOUSING IN THE NORTH OF ENGLAND

A model
of the
redevelopment

THIS is a redevelopment scheme for a local authority, designed in conjunction with E. D. Lyons, L. Israel, and T. B. H. Ellis, incorporating combined flats and maisonettes.



LIVING ROOM ELEVATION



ENTRANCE ELEVATION

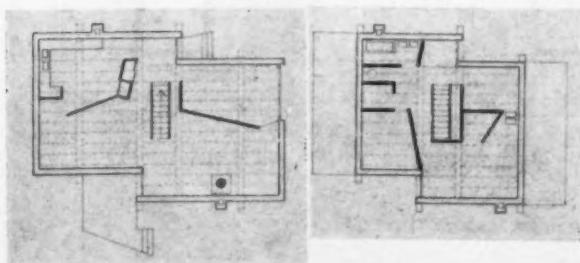
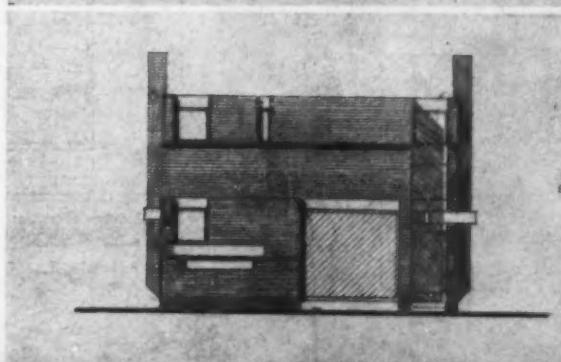
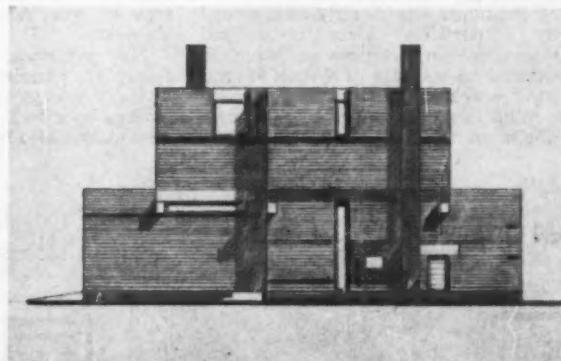
HOUSE IN THE CHILTERN FIRST SCHEME

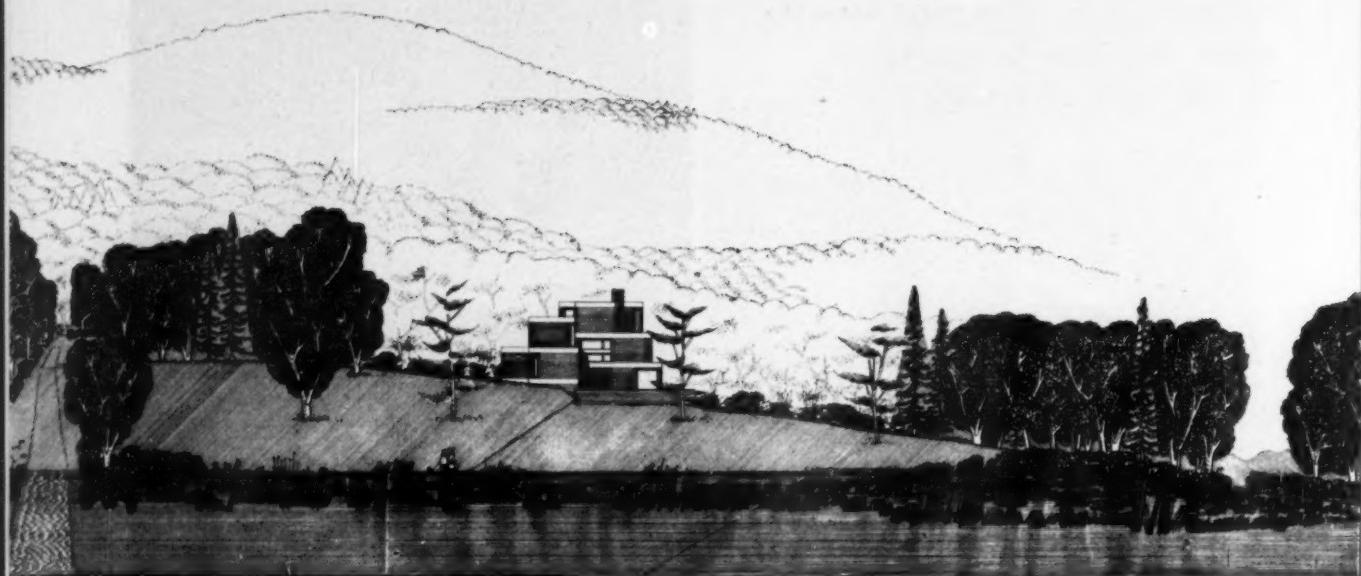
IN the first scheme for a site in the Chiltern hills, it was proposed to build two houses. These drawings are of the smaller house.

The structural walls are entirely peripheral with concrete beams spanning across a free planned internal space to support the timber floor. The structural wall is of red engineering bricks, with marking courses and other elements of various colours of ceramic bricks.

GROUND

FIRST FLOOR





A HOUSE IN THE CHILTERN HILLS

THE isolated three-acre site is on the side of a steep and wooded hill at the edge of the Chilterns, Buckinghamshire, and to the north there are views of up to 20 miles in the direction of Dunstable.

Although supported by the area planning officer, the design was nevertheless rejected by his committee as being "not suitable for the area". Presumably it was not considered appropriate for a rural setting, but, in fact, the modelling and appearance of the house was directly conditioned by a particular piece of ground sloping in two directions and which is situated on the edge of a steep natural bank which runs across the site.

With the exception of a single house on the west boundary of the

site, which is architect designed, the nearest group of houses are about a third of a mile away and cannot be seen from the site. They are "builder's post-war" finished with white stucco and wrought iron in a slightly moorish idiom.

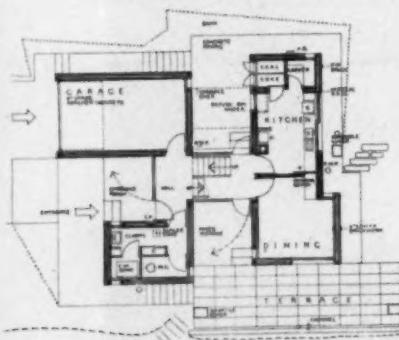
To obtain the views to the north the living room was placed on the first floor, in addition to situating the house on top of the bank. This elevation was necessary to lift the sight lines from the living room above the tops of trees which line the north boundary.

The pyramidal massing and the disrupted periphery of the house logically occurs as the result of exploiting split level planning on falling ground, and also by the client's request

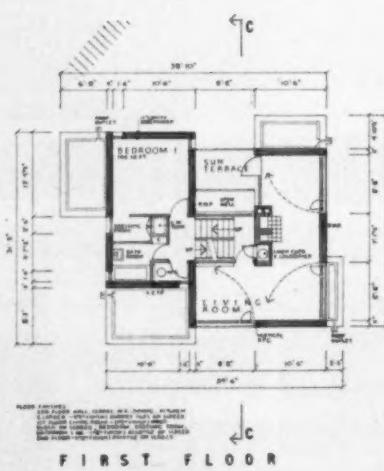
that the maximum accommodation should be at ground level and only guest bedrooms on the top floor.

The walls are loadbearing 11in cavity brickwork faced with smooth red wirecuts inside and out. Floors are in concrete, in preference to timber, for reasons of stabilizing the whole structure. R.C. fascia beams are in fair faced concrete. Ceilings are plastered, but downstanding beams are left in natural concrete. The staircase and all door and window sections are in varnished hardwood. Small areas of roof are drained by gargoyle, but the larger areas have internal downpipes. All floors are in red quarry tiles and floor heating is used throughout.

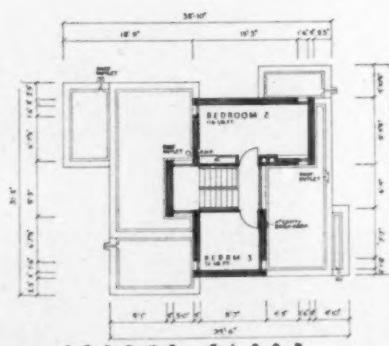
SCALE: 1IN=24 FT



GROUND FLOOR

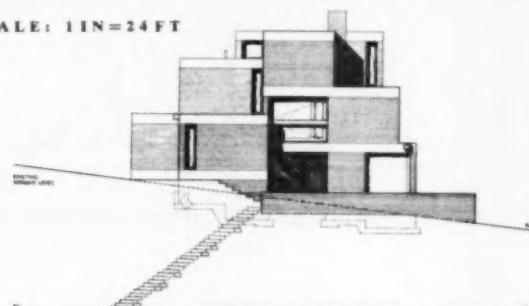


FIRST FLOOR

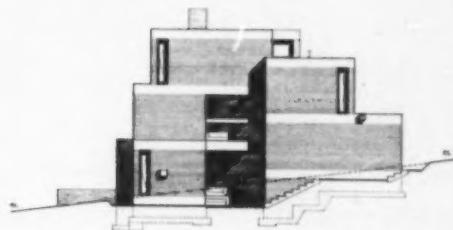


SECOND FLOOR

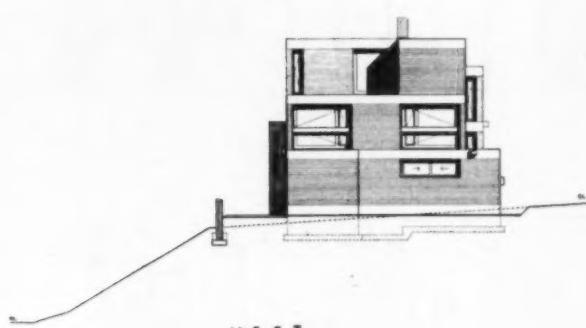
SCALE: 1 IN = 24 FT



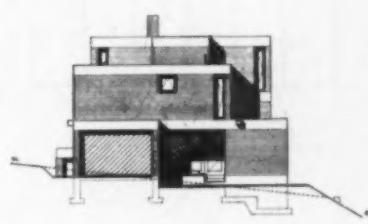
NORTH



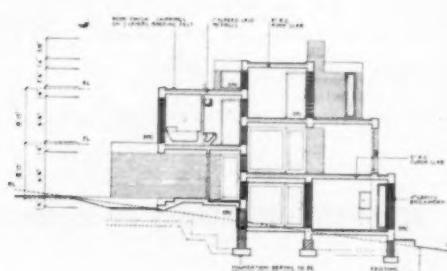
SOUTH



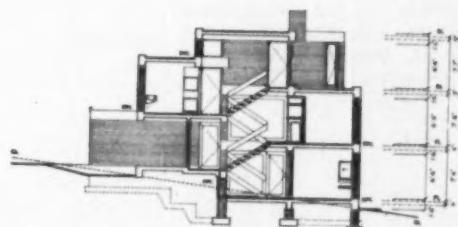
WEST



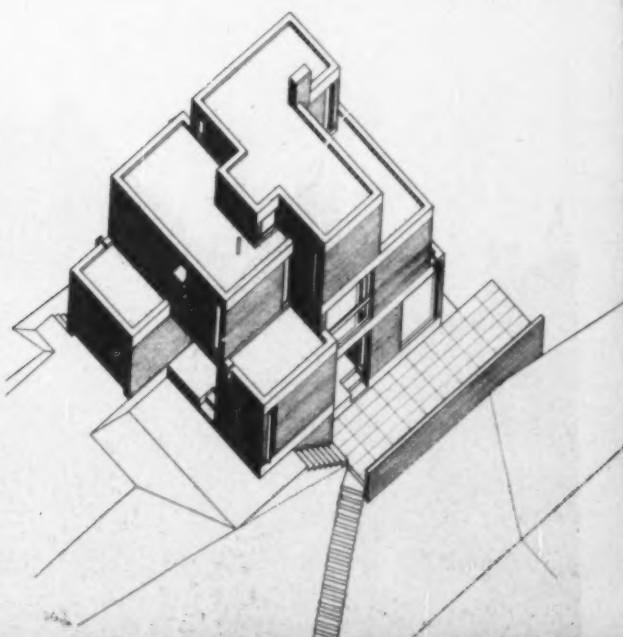
EAST

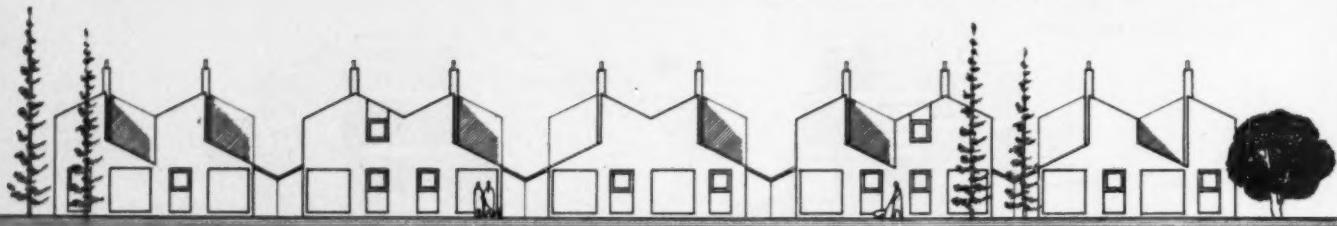


SECTION A

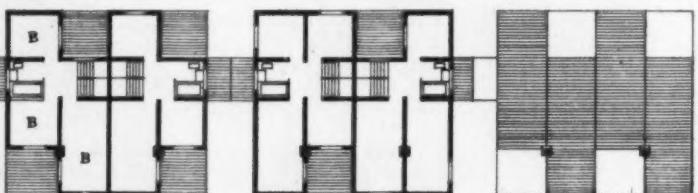
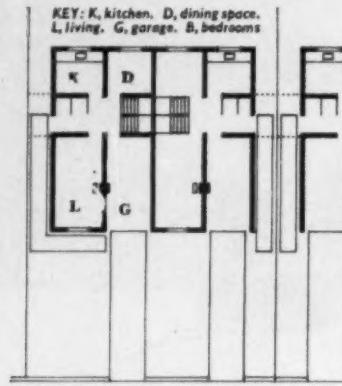


SECTION B



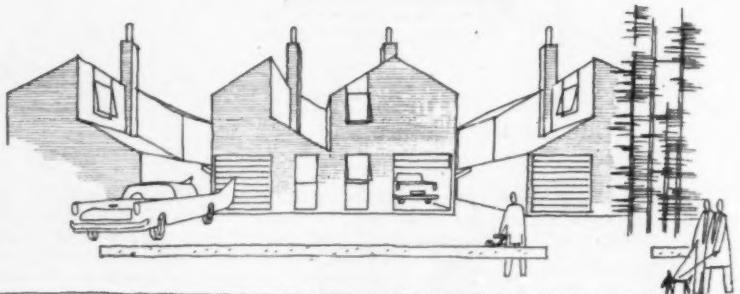


ELEVATION



GROUND AND FIRST FLOOR PLANS

"The architecture of the 'Backs' (see photo below) is more frequently an honest expression of the sectional organization of the house than that of the front which has a styled uniformity". Above and right, speculative housing at Sunninghill



SEMI-DETACHED HOUSES AT SUNNINGHILL

The "Backs"



THIS is a scheme of six pairs of semi-detached houses for a small speculative builder in Sunninghill. The site is very restricted and runs alongside an existing road. The brief is to provide basically three-bedroom type accommodation incorporating individual garages and using a very simple structure. The maximum cost is not to exceed £1,200 net per dwelling.

Structure

The construction is 8ft span parallel walling giving standard joist sizes throughout. The brickwork is sand-faced flettons and the roofing slate.

To achieve a degree of unification the houses are linked by the entrance porches and their roofing extends over the length of the terrace.

A number of bedroom rearrangements are possible to suit individual needs and these produce a variety of external forms within the pitched roof idiom.

HOUSE IN KENSINGTON

THIS small house is situated in Kensington surrounded by tall Italianate brick Victorian residences now converted into flats. The site is part of the small rear garden of a corner house and the problem is similar to the adjacent mews. None of the surrounding buildings is particularly interesting and there are no views. The site is virtually oppressed by its surroundings!

The scheme is a series of stepped volumes opening into an internal shaft which is filled with a solid-sided spiral staircase. The outside views are disregarded and the visual interest is directed to the central space through which oblique views extend the interior volume.

The site is particularly small—19ft wide on the frontage, 10ft wide at the rear, and 35ft deep. Rooms are, therefore, necessarily a minimum, but the internal elements, the heating column, fittings, bathroom core and the staircase are specifically detailed to make the small volumes as vital as possible.

FACTS

James Stirling

- 1940-41. Liverpool University School of Architecture.
- 48. Exchange scholarship to U.S.A., assistant to Kahn and Jacobs, N.Y.
- 49-50. Liverpool School of Architecture, Dipl with Dist.
- 50-51. Association for Planning and Regional Research, Dipl in Town Planning.
- 52. Assistant with JAMES CUBITT & PARTNERS.
- 53. Assistant with GOLLINS, MELVIN, WARD & PARTNERS.
- 54-56. Senior Assistant with LYONS, ISRAEL & ELLIS.

James Gowan

- 1939-42. Dept. of Architecture, Glasgow School of Art.
- 47-49. Dept. of Architecture, Kingston School of Art.
- 47. Assistant with BRIAN O'ROURKE.
- 50-51. Assistant with POWELL & MOYA.
- 52-53. Senior Assistant with STEVENAGE NEW TOWN.
- 54-56. Senior Assistant with LYONS, ISRAEL & ELLIS.

Chronological List of Work

1956

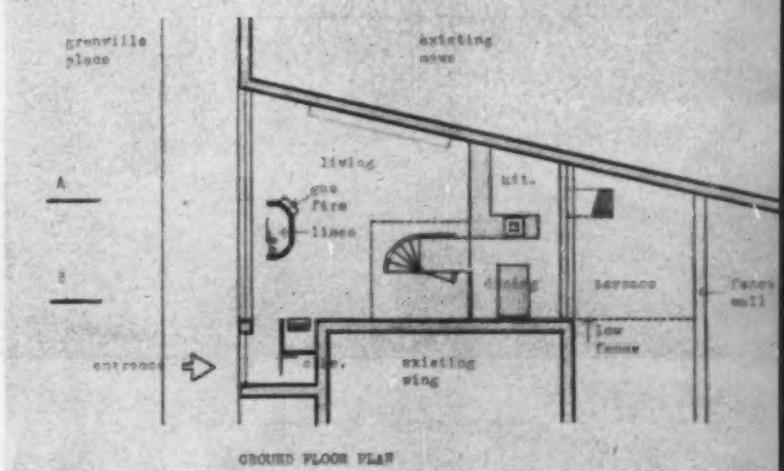
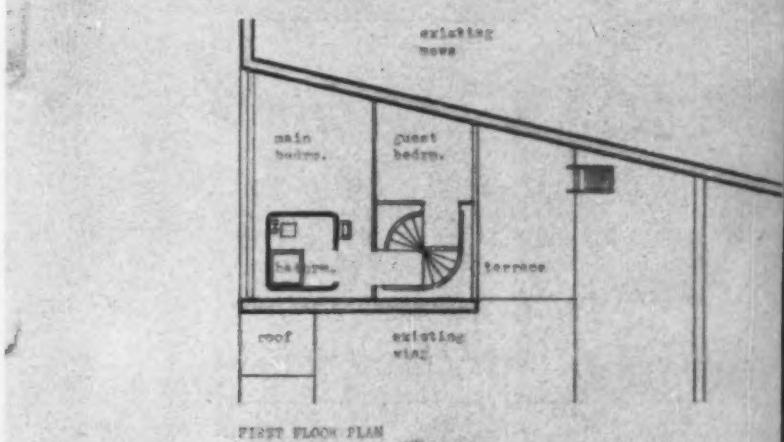
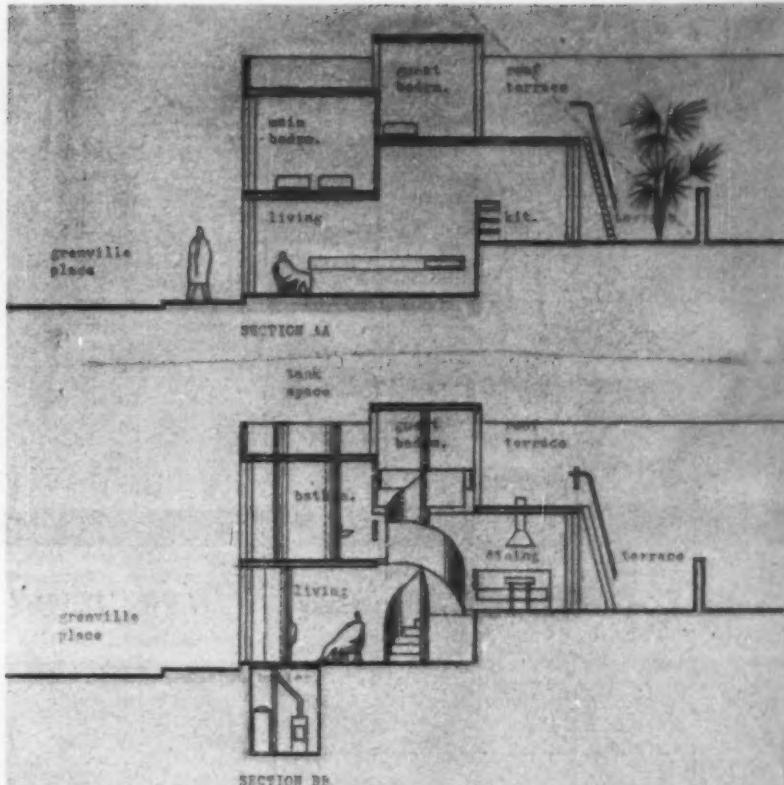
- House in North London
- House at the Isle of Wight
- Han Flats, Richmond
- House in the Chiltern Hills
- No. 16 & 17 Grosvenor Square
- Housing Estate at Baddow near Maidenhead. (85 dwellings)
- Shops and maisonettes, Hornchurch
- Studies of individual house types

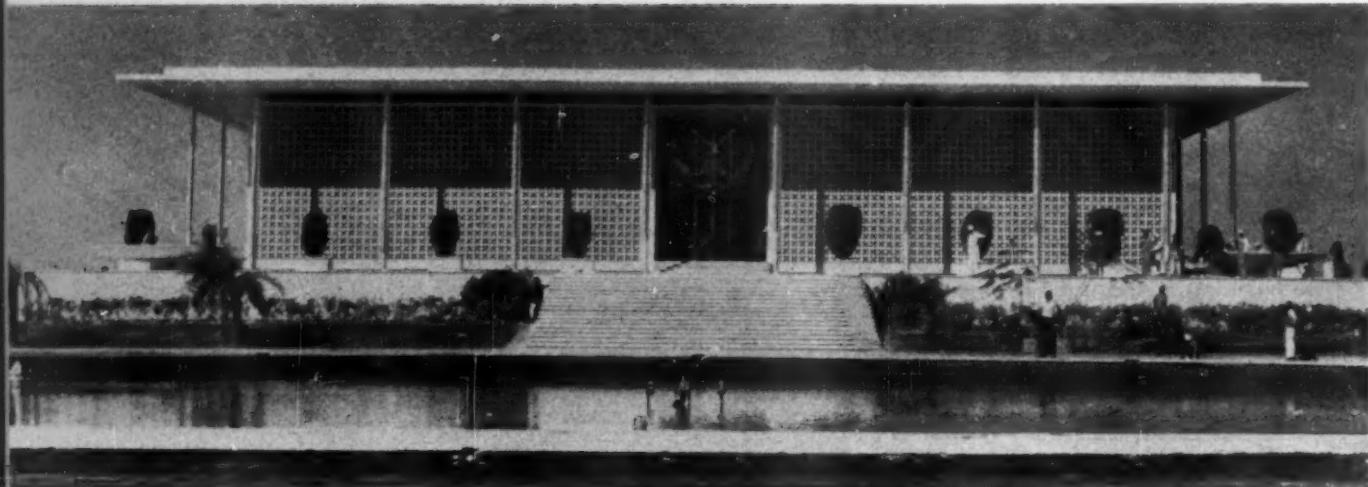
1957

- Three houses for Basil Mavroleon at Hyde Park Gate No. 11 St. Christopher Place
- Prototype house for an estate in St. Johns Wood
- Studio house in South Kensington
- Extension to flats at Ham Common
- Expendable House. (House and Garden)

1958

- Five houses in Stoke Newington
- LCC School's Meals conversion, Eltham
- Semi-detached houses at Sunninghill (Speculative Builder)
- Two Local Authority housing redevelopment schemes in the north of England (total of 554 dwellings)





American Embassy in New Delhi

Set in the "diplomatic enclave" of New Delhi, Edward D. Stone's new Embassy is now nearing completion. Above, the entrance elevation. Below, the internal garden and pool



Industrial Notes

- Two special courses of lectures, held during the previous term at the Building Centre and arranged by the Brixton School of Building, were over-subscribed and are to be repeated early in 1959 at the Brixton School of Building, Ferndale Road, London, S.W.4. The first of these, by Mr. Donald Keating, is a course of six lectures on "Building Contracts Today" and these will be given on Wednesday evenings, from January 28 to March 4 inclusive. The other course is a series of lectures on "The organization of plant for building contracts", by Mr. G. A. Roberts. The lectures will be given on Tuesday evenings from January 27 to March 3 inclusive. A third special course of ten weekly lectures, by Mr. W. P. L. Eagles, on "Formwork and shuttering for concrete" will take place at Ferndale Road on Monday evenings from January 12 to March 16 inclusive. The fee for each of these courses is £1 and application for places should be made to the secretary, Brixton School of Building, Ferndale Road, London, S.W.4 (telephone: Brixton 0944).
- At their recent annual general meeting, Mr. W. R. Price was elected president of the English Joinery Manufacturers Council. Mr. J. Whitaker, J.P., was re-elected and Mr. T. J. Mosesson elected vice-presidents, and Mr. I. A. Rutherford was re-elected honorary treasurer.
- Sidney Flavel & Co. Ltd. show net profits of £144,713 for the year ended July 31, 1958. A dividend of 7½ per cent less tax is to be paid.
- Coventry Gauge & Tool Co. Ltd. show net profits of £160,041, after taxation for the year ended August 31, 1958. This represents an improvement of £25,577 on the previous year's result. A final distribution of 4½ per cent, tax free, maintains the ordinary dividend at 6½ per cent, tax free.
- The Redfyre 60 continuous burning fire, which was recently introduced by Newton Chambers & Co. Ltd., is on view at the Design Centre, Haymarket, London, S.W.1, for a period of six months.
- The stand of IBM United Kingdom Ltd., which illustrated the historical development of time recording machines at the recent "Pendulum to Atom" exhibition, has now been installed at the company's Berkeley Square showrooms.
- The Rhodesian & General Asbestos Corporation (Pvt.) Ltd., a subsidiary company of Turner & Newall Ltd., has completed negotiations for the acquisition of the entire issued capital of Rhodesian Asbestos Ltd. This latter company is incorporated in Canada but carries on the business of asbestos mining in Southern Rhodesia. The consideration for the purchase is £1,640,000 payable in cash, which can be provided by the Turner & Newall Group's own resources.
- Permanite Ltd. received honourable mentions in the recent R.I.B.A. Manufacturers' Trade and Technical Literature competition for their folders on Metal Lined Damp Course and Asphalt Roofing. The company is willing to send copies of this literature to all who may be interested.
- Wolf Electric Tools Ltd. have appointed Mr. F. L. Gibson as their home sales manager.
- BTR Industries Ltd have acquired from Kléber-Colombes of Paris, the manufacturing rights in Great Britain of Plasticell. This product is a closed cell cellular polyvinyl chloride, both in rigid and flexible forms, in thicknesses from $\frac{1}{8}$ in to 3in. BTR Industries have also taken over the selling rights in this country from Plastudy Ltd.
- Wates Ltd. have secured two new contracts in the London area. One is for the rebuilding of Totfield House, 14/22 Tottenham Street, and 43 Whitfield Street, W.1, at a cost of £82,252. This comprises ground floor showrooms, first- to fourth-floor offices and fifth-floor residential flats (total floor area: 26,000 sq ft). Architects are: Newman, Levinson & Partners. The other contract is for the demolition of existing property, and the rebuilding of five-storey shop and offices at 151 The Strand, W.C.2, at a cost of £22,820. Architect is S. Stern.
- West's Piling & Construction Co. Ltd. have recently opened an office in Bristol from which contracts in the West of England and South Wales will be administered. The address is 42/44 Triangle West, Clifton, Bristol, 8 (telephone: Bristol 26906).
- Leaderflush (Doors) Ltd., of Trowell, Nottingham, have opened an office at Bush House, Aldwych, London, W.C.2 (telephone: Covent Garden 2243). There is a representative selection of standard and veneered doors displayed in the office and the wide range of veneer samples will be of general interest. The office is in charge of the general sales manager, Mr. A. F. L. Armstrong, who will welcome visits from architects and other interested persons.
- Sir Harold Wernher, B.T., G.C.V.O., T.D., chairman of Electrolux Ltd., has been awarded a Swedish honour, The Grand Cross of The Northern Star, for his services in fostering Anglo-Swedish relations. The presentation was made on December 16, 1958, by H. E. the Swedish Ambassador, acting on behalf of H.M. The King of Sweden.
- Rocma plastic faced sheets are now being manufactured in a new multi-patterned coloured design. The sheet sizes are 8ft by 6ft and copies of the new design can be obtained from the distributors, Rex Bousfield Ltd., 77 Carter Lane, London, E.C.4 (telephone: City 5461).
- Mr. E. E. Upshall, the architectural representative of Cellon Ltd., has been appointed manager of the company's building department. He thereby assumes full responsibility for the sales of Cerrux decorating paints and allied products.
- Mansol (Great Britain) Ltd., of Thornton Heath, Surrey, are the first to take factory space on the new industrial estate constructed by the Haverhill (Suffolk) Council. Hille (Metals) Ltd. are planning to add a new office block, plus an additional 7,400 sq ft of factory space to their Haverhill works.
- Mr. J. Stanleigh Turner has been re-elected president of the Coal Utilisation Council for the eleventh year in succession. Sir John Charrington has been re-elected vice-president. The four trustees were all re-elected. They are Mr. J. Stanleigh Turner, Sir John Charrington, Mr. R. H. E. Thomas and Mr. H. V. Shelton.
- Mr. R. F. Morrow, chief purchasing officer of Stotts, of Oldham, has won first prize in a nation-wide playwriting competition, organized by Granada Television Authority. There were nearly 600 competitors, each of whom had to submit three new plays. Mr. Morrow's prize amounted to £3,000.
- A new order, recently placed with George Kent Ltd., of Luton, for a further 32,000 water meters (with the option to extend it to 38,400), brings to over £300,000 the value of Kent meters already installed or on order by the Teheran Water Authority since 1956.
- An Atlanta bath, manufactured by Bilston Foundries Ltd., has been chosen for the first bathroom display at the Design Centre, Haymarket, London, S.W.1. The display opened on January 5, 1959 and will remain open for one month. It takes the form of a bathroom setting, to which many well-known manufacturers have contributed their products. The 72in Atlanta bath has panels of grey and green harlequin pattern Formica plastic laminate. The Design Centre is open daily, except Sundays and Bank Holidays, from 9.30 a.m. to 5.30 p.m., and until 7 p.m. on Wednesdays and Thursdays.

NEW PRODUCTS

In this feature are reviewed new lines introduced to the building industry for the first time and additions or improvements to existing ones. Any advantages claimed for a product are from information supplied by the manufacturer

New Chair for Lecture Theatres (1)

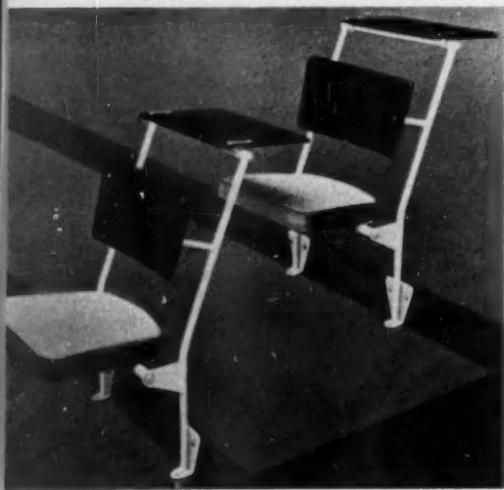
A new chair has been introduced for use in lecture theatres. Any number of seats can be installed and writing tablets are hinged to the backs for use by the persons sitting behind. These tablets can be tipped up when not in use. A special barrier can be supplied to carry writing tablets for the front row. The frame is made of tubular steel and the seat is upholstered with Latex foam and covered to individual choice. The underside of the seat is perforated and backed with a sound absorbent material for acoustic correction. The seat can be tipped up when not in use to improve access along the rows, a factor which is also allowed for by the specialized design of the chair. The chair can be supplied without the writing tablet and models are available for all types of floor fixing.

Readers' Information Service, Ref. 1. Date 7/1/59.



Furniture Units (2)

Over 30 manufacturers of furniture and sanitary equipment are co-operating with the makers of Formica to produce Vanitory units. With these units the washbasin and dressing table are welded together to form one piece of furniture. The basin is sealed into the Formica top of a chest or cupboard that will hold cosmetics and toilet preparations. It is generally sealed by means of either a plastic or steel rim. The water supply and waste pipes either disappear into the wall or are concealed in a cupboard underneath. Most of the units use either white basins or basins in pastel shades to match the shade of Formica employed. Some have curved splashbacks



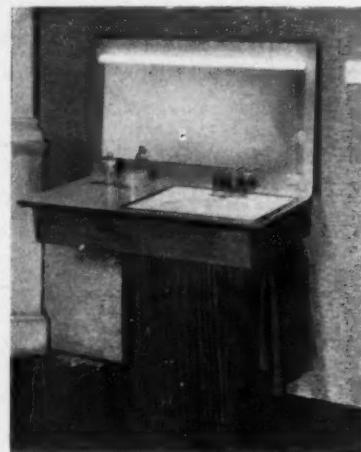
1

New Bathroom Cabinets

This company is now distributing a new range of wooden built-in (recess type) bathroom cabinets, manufactured by Willet & Robinson Ltd. They are finished in cellulose enamel and are complete with 4in plate bevelled mirrors and plated knobs. Three types are produced, one of which has a single door and two glass shelves. It is available in wall cavity sizes of 17½in by 13½in by 4½in (No. 22) and 21½in by 14½in by 4½in (No. 23). Another type has double doors, three glass shelves and wall cavity size of 27½in by 9½in by 4½in (No. 26DD). The third type has double doors and a single glass shelf.

READERS' INFORMATION SERVICE

Readers of this column often require much more information on new products than it is possible to publish. It has been decided therefore to make the following changes, commencing with this issue: A reference number will be printed at the end of each new product instead of the manufacturer's name and address. Those who require more information should complete the form published at the back of the issue so that we can ask manufacturers to supply full details required



2a

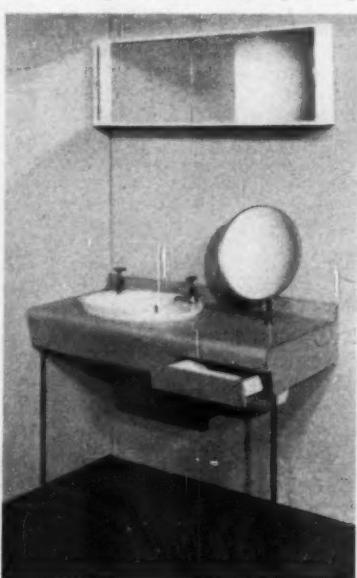
It is made in two wall cavity sizes, 23½in by 15½in by 4½in (No. 21DD) and 27½in by 17½in by 4½in (No. 22DD). Prices: When finished in white, green, coral pink and ivory Nos. 22, 23, 26DD, 21DD and 22DD respectively cost 67s, 78s, 134s, 98s, and 125s. Black and red finishes and special matchings cost extra.

Readers' Information Service, Ref. 2. Date 7/1/59.



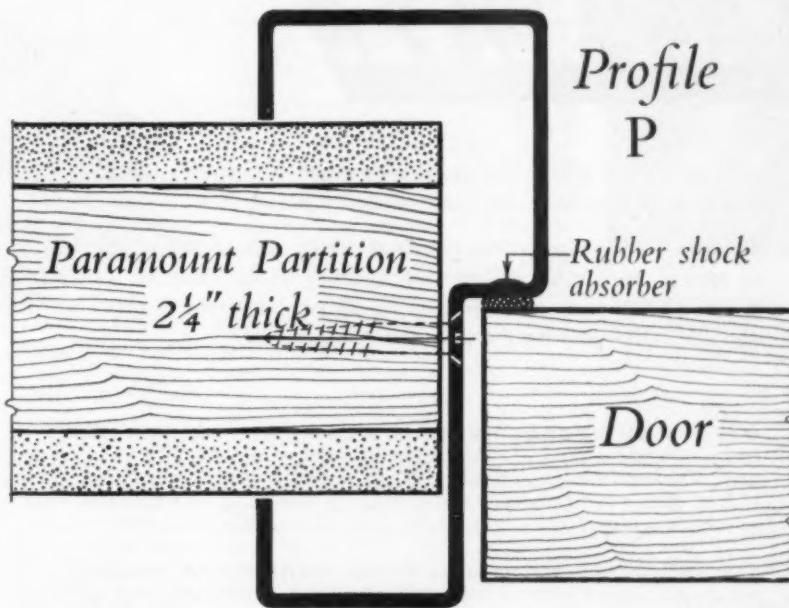
Cab Heater and Demister

This company has produced a new cab heater and demister which is specially designed for use with commercial vehicles. The D.9, as the new product is called, uses waste heat from the engine cooling system and beams it into the driver's cab, and on to the windscreen to prevent the formation of condensation on the inside and ice on the outside. The heater has four removable and interchangeable outlet panels and varying degrees of cab heating are controlled by a flap



2b

HOPE'S steel DOOR FRAMES



NEW STANDARD PROFILE ·P· FOR 2 1/4" PARAMOUNT PARTITION

An addition to our Standard Range
already made in profiles A, B and C
and listed in Catalogue Nos. 254 & 356

Send for List No. 362

HENRY HOPE & SONS LTD.

Smethwick, Birmingham & 17 Berners St., London W. 1

MEMBER OF THE METAL  WINDOW ASSOCIATION

The **ABC**
U.A.M. *of Good
Building*

U.A.M.... The initials that stand for a range of building products second-to-none, every one of which leads to faster, less costly construction.

U.A.M.... The Group that gives full details of its new products and its new developments in special bi-monthly information bulletins. These U.A.M. GROUP INFORMATION BULLETINS keep you informed on all aspects of the Group's activities and are sent all over the world. May we put you on our mailing list?

U.A.M.'s UNIVERSAL ASBESTOS CEMENT FABRICATIONS are known throughout the world and are used today in buildings of all kinds, large and small. The famous insulated Sandwich Construction was pioneered and developed by U.A.M. to meet a universal need to suit climatic conditions of every kind. And there's an entirely new product : UBESTO, the fireproof insulation board.

Then, there are **U.A.M.'s UNION PITCH FIBRE PIPES**—simplicity itself—for drains, sewers, cable conduits. Produced in lightweight, easy-to-handle 8ft. lengths, these pipes can be laid fast by unskilled labour to form a permanent resilient pipeline, saving both time and money.

Next there is **U.A.M.'s UNILUX TRANSLUCENT ROOF SHEETING**—ideal for natural lighting. This latest development of the Group's pioneering effort is made from polyester resins and glass fibre to give roof and roof lights in one product—a durable shatter-proof, weather-proof product, available in a wide range of permanently attractive colours.



THE U.A.M. GROUP

THE UNIVERSAL ASBESTOS MANUFACTURING COMPANY LIMITED
UNION FIBRE PIPES (GREAT BRITAIN) LIMITED · U.A.M. PLASTICS LIMITED
ASSOCIATED COMPANIES AT HOME AND OVERSEAS

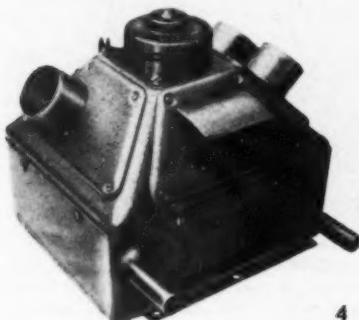
TOLPITS · WATFORD · HERTFORDSHIRE · WATFORD 34551

MEMBERS OF THE  GROUP OF COMPANIES

NEW PRODUCTS (continued)

on one of the panels, the remainder of which can be supplied as blanks, or with one or two demister outlets. The unit is usually mounted beneath the screen with a fresh air inlet provided, but may, if required, be used for the recirculation of air. The output of the D.9 is 9,000 B.Th.U./hr., measured at a temperature difference of 120 deg F, but at 150 deg F T.D. this figure increases to 11,250 B.Th.U./hr. The unit measures 8½in by 7½in by 7½in. Price: £11 5s.

*Readers' Information Service,
Ref. 4. Date 7/1/59.*



4

New Trunking System (4)

The newly introduced "Power Line" trunking enables moderately rated power circuits and communication networks to be installed alongside existing wiring—each of the three systems being in completely separate wiring runs. The new trunking is primarily designed for attachment to "New Line" trunking, on one or both sides, but may also be fitted independently to walls or benches. Two of the folds of "New Line" trunking also serve as clamping surfaces for the "Power Line" trunking, which takes the form of a channel and is made in 15, 9 and 6ft lengths from 16 g. rolled steel and is finished galvanized as standard to give protection against moisture or dampness. To simplify installation, clamping plates are riveted to the channelling and spaced at intervals of 3ft 6in. The tightening of screws in these plates will interlock, secure and make earth continuity contact with the supporting lighting trunking. Cable supports, which are pressed out from the clamping plates, protrude into the channelling and are fitted with plastic sleeves to protect

the cables. Eight 19/064in T.B. and C. or P.V.C. cables can be accommodated on the cable supports and line taps for tap-off conductors up to 7/036in are available. Pressed steel T.P. and N. fused boxes with Reyrolle "Pullicap" fuse units and H.R.C. cartridge fuses may be fitted to any point of the trunking. These boxes are intended for three-phase and neutral operation and 5, 10, 15, 20 or 30 amp fuses may be fitted as required. A catch on the rear of the box slips over the lower lip of the channel and screws, situated inside the box, will pull the catch tight. Lin diameter holes are provided in the bottom of terminal boxes so that flexible or rigid tube conduit down leads may be connected. Steel wire armoured cables may also be introduced into the terminal box. Alterations and additions can be made to the services provided, simply by removing the covering strip, inserting line taps, attaching a terminal box and replacing the covering strip. One advantage claimed is that power trunking can be used on one side only where "New Line" lighting trunking is used as the basic element of a Crompton Modulume ceiling. This enables power cabling to be taken above the diffusing surface without the necessity of running conduit on the structural ceiling.

*Readers' Information Service,
Ref. 5. Date 7/1/59.*



13-amp Fused Spur Connector

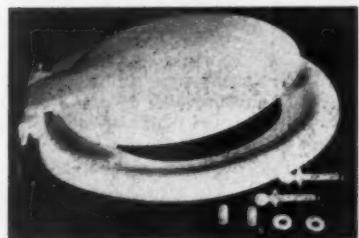
A 13 amp fused spur connector, Ref. No. DE1220, has been added to this company's range of electrical wiring accessories. The new connector enables fixed appliances with hidden wiring to be connected to the ring circuit as allowed under I.E.E. wiring Regulation No. 114(b). The B.S. 1362 fuse is easily removable and is contained in a fuse carrier which is secured to the cover by means of a screw. The base projection is shallow enough to enable the unit to be wired easily into a lin or ½in internally deep box, having B.S. 1299 fixing centres. Both cover and base are of non-track urea-formaldehyde material. Prices: DE 1220 (brown), 84s per doz; DE 1220V (ivory), 88s per doz.

*Readers' Information Service,
Ref. 6. Date 7/1/59.*

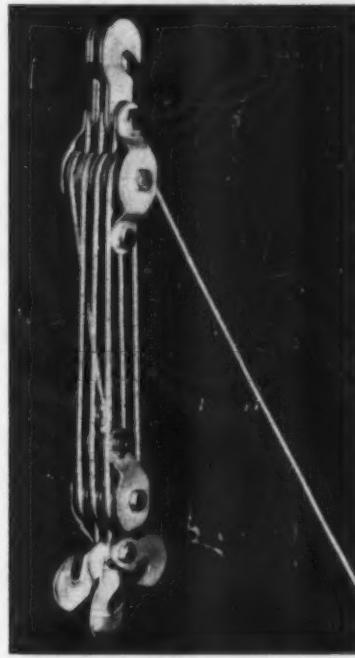


Midget Hoist (7)

A new midget hoist has been produced which weighs only 1lb and yet has been tested to lift 1,000lb. It is made of aluminium and is small enough to slip into a jacket pocket. It has a 72ft rotproof nylon cord which runs on self-lubricating solid nylon pulley wheels. One end should be attached to a fixed point and the other end with the multi-locking hooks to the object to be moved. A pull on the nylon cord will, it is claimed, ensure a smooth and easy lift. As the



8



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pull is evenly distributed over the seven strands of nylon cord, it produces a combined breaking strength of over 1,200lb. The hoist is entirely rust-proof and is suitable for many industrial and domestic uses. Price: £2 17s 6d.

*Readers' Information Service,
Ref. 7. Date 7/1/59.*



Polythene Toilet Seat (8)

The new Plexene toilet seat is made in a new process heavyweight polythene. It is guaranteed by the makers to be completely unbreakable and chip proof. The Plexene is supplied complete with polythene fittings and can be fitted to an existing bowl within a few minutes. Two models are available, either the seat only or with double flap in black, white, primrose, blue, green and red. The single flap model (seat only) costs 14s and the double flap (with cover), 18s 9d.

*Readers' Information Service,
Ref. 8. Date 7/1/59.*



6

NEW PRODUCTS (continued)

P.V.C. Insulated Telephone Cords

Telephone cords, insulated and sheathed with P.V.C. in normal and extensible constructions, are now being manufactured by this company. They are made with the standard three or four cores or with a greater number, if required. They resist the effects of most chemicals, do not support combustion, and are available in a range of colours, of which black, cream and grey are the standard. The handset cord, which connects the handset to the instrument, is normally supplied in the extensible form. The conductors consist of eight ends of Duplex tinsel, and the finished cord has a $\frac{1}{4}$ in diameter over each closed coil. The three-core type will extend to six times its retracted length, whereas the four-core type has a fivefold elongation. It is claimed that this construction permits 500,000 extensions and retractions without failure. Retracted lengths of up to 36in can be supplied, although 8in and 12in lengths are the general standard. Connecting cords, which are fitted between the instrument and the terminal block, have conductors of 37/004in plain copper wires, and are supplied in the normal non-extensible construction only.

*Readers' Information Service,
Ref. 9. Date 7/1/59.*

width is 8ft, and this is variable between 6 and 12ft in 3in increments by the use of cut-off shoes or extensions. The machine uses the automatic-tamping-levelling principle and the mat thickness is variable from $\frac{1}{4}$ in upwards. Four laying speeds are attainable from 7.66 to 49.03ft per min. When travelling on its tracks the finisher has a forward speed of 2.26 m.p.h. and 1.82 m.p.h. in reverse. The hopper capacity is three tons and the machine weighs 11,500lb including wheels and towbar. Four 1ft extensions increase the weight by 600lb. The machine is powered by diesel engine and, when laying an 8ft wide mat 2in thick at 7.66ft/min, handles approximately 28 to 33 tons per hour.

*Readers' Information Service,
Ref. 10. Date 7/1/59.*

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Fully Mobile Cement Silo (11)

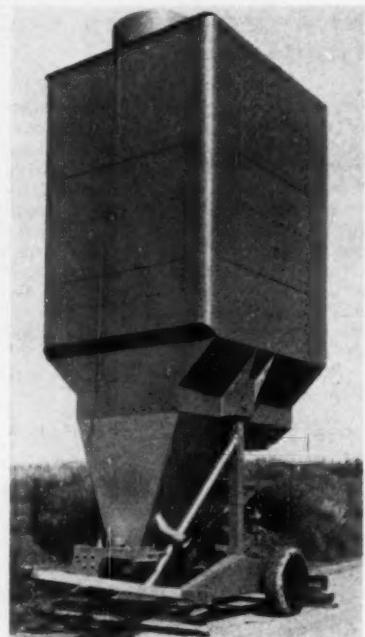
A fully mobile cement silo, which represents an advance in on-site cement storage, has been added to this firm's range of contractor's plant. It has a 30-ton capacity storage hopper which can be raised or lowered to the horizontal position for travelling by one man using a built-in hand winch. The silo can feed two mixers placed back to back, end to end, or at right-angles to each other. A two-wheel pneumatic tyred chassis, with over-run brakes, is incorporated.

*Readers' Information Service,
Ref. 11. Date 7/1/59.*

★

Improved Loft Ladders

The latest addition to the Denison range of ladders and steps is a disappearing loft ladder fitted with nylon runners for silent action. It is made of aluminium alloy, in four stock sizes, and can easily be fixed in position by means of three pairs of brackets. An existing trapdoor can be used if it is made to open downwards by hingeing it to the frame, flush with the ceiling, and if the opening measures not less than 2ft 6in long by 2ft wide. The flat non-slip treads are 3in wide, rubber pads are fitted to the bottom of the ladder, and handrails



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are available as an optional extra. The ladder is opened by means of a short rod which fits into a hook on the trapdoor so that there are no cords or chains left dangling when the ladder is not in use. Floor to floor heights of the four stock sizes are 9ft or less, 9ft to 9ft 9in, 9ft 9in to 10ft 6in, and 10ft 6in to 11ft 3in. Respective prices are £20 15s, £21 15s, £22 15s and £23 15s.

*Readers' Information Service,
Ref. 12. Date 7/1/59.*

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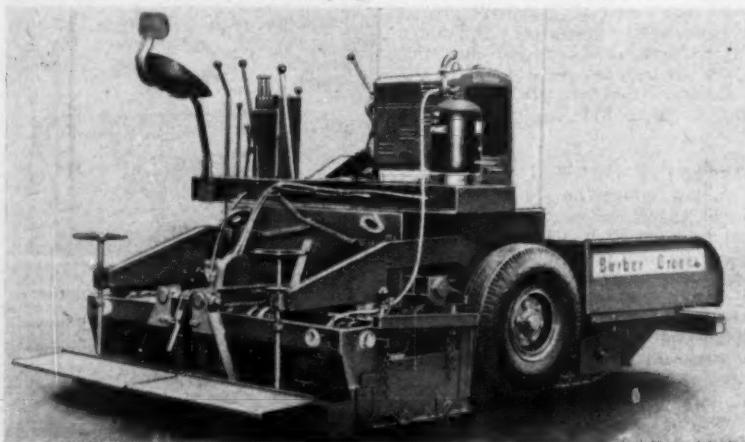
New Emulsion Paint

A new emulsion paint specially produced for use on ceilings has been added to the Mulsomat range. It provides a higher degree of opacity or obliteration on new surfaces than the ordinary Mulsomat emulsion and gives a flat, matt finish. Priming is not necessary, but the efflorescence on new plaster should be removed and the surface cleaned down. The paint can be applied by brush, spray or roller, and two coats will generally provide a first-class finish although, where conditions are unusually adverse, three coats may have to be applied. It can also be used for the redecoration of ceilings but should not be used for impervious surfaces where condensation is prevalent or for the decoration of walls. Under normal conditions each coat will dry within a few hours. Mulsomat ceiling quality paint is supplied in white and can be tinted with Mulsomat stains if required. Alternatively, orders of ten gallons and over can be specially manufactured in off-white shades. The paint is packed in one and half gallon containers.

*Readers' Information Service,
Ref. 13. Date 7/1/59.*

Bituminous Paving Finisher (10)

A bituminous paving finishing machine, model 873, has been added to the Barber-Greene range. It is claimed to be the first machine of its type to combine both tracks and wheels, the former for use when laying and the latter for travelling from job-to-job on pneumatic tyres. When preparing the machine for towing the wheels with fitted brakes are lowered, the hopper sides folded to the travel width of 8ft, and the towbar attached. This series of operations takes only a few minutes. The standard laying



10

the bricks for the job

SANDLIME·BRICKS

FOOTINGS

Sandlime Bricks are available in Special Purpose and other load bearing grades to suit your job; of guaranteed strength and thoroughly durable.

Sandlime Bricks of facing quality (Class A of B.S. 187-1955) give maximum light reflection, are self-cleaning when exposed to rain, and are durable under the most severe conditions.

FACINGS

FEATURES

Sandlime Bricks give new scope and freedom. In addition to the "natural" whites, a wide range of permanent colours is available.

The Sandlime Brick Industry is progressive and utilises continuous research carried out both by individual manufacturers and by the Sandlime Brick Division of the Chalk Lime and Allied Industries Research Association.

SANDLIME BRICKS FOR INDUSTRIAL, DOMESTIC AND AGRICULTURAL BUILDING

Apply for technical literature to:

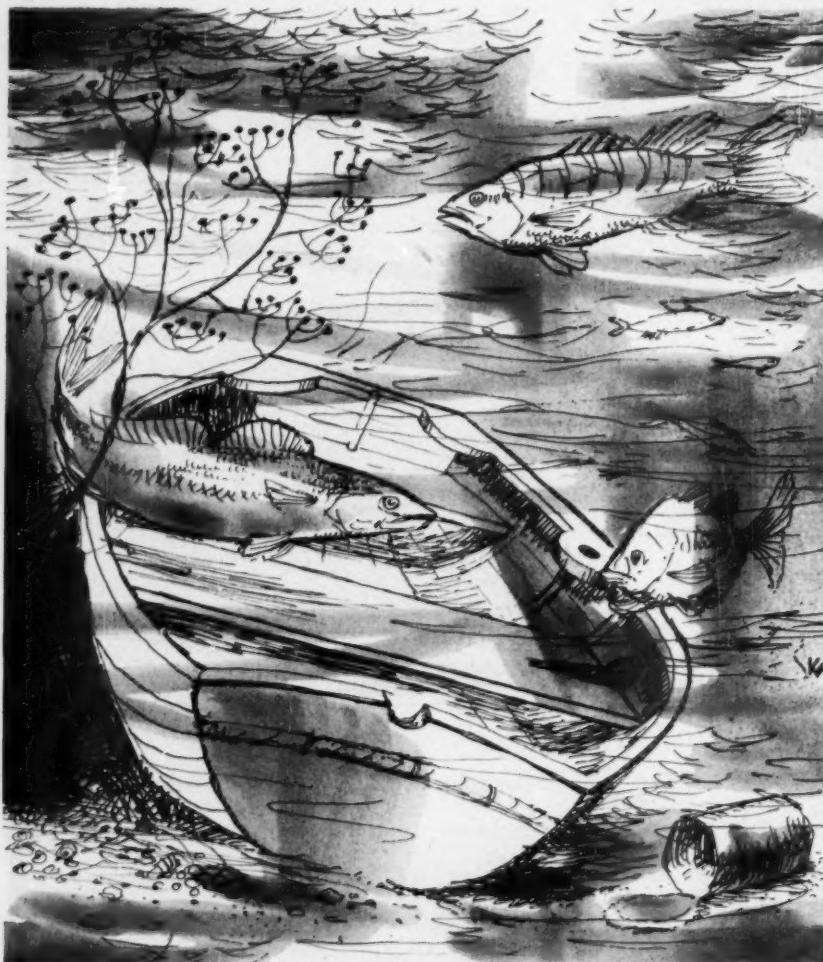
The Sandlime Brick Manufacturers Association Ltd., 73/78 High Holborn, London, W.C.1. Telephone HOLborn 5494.



AS GOOD AS NEW!

A boat belonging to a large dairy estate in Dumfriesshire was painted with Manderlac Enamel and varnished over. About a year later there was an accident and the boat sank in the River Annan. Three weeks passed before it was refloated, but in spite of this rough treatment the paintwork was found to be as good as new.

a **MANDERS** case history



MANDERLAC Alkyd Enamel dries quickly to a hard surface that stays bright, and keeps its protective powers for years. It is easy to apply and easy to clean, covers well even on sharp edges and is so lustrous that it 'looks wet when it's dry.'

WRITE FOR FULL DETAILS AND COPIES OF THE WONDERFUL MANDERLAC COLOUR RANGE

MANDERLAC

... proved the best

MANDER BROTHERS LTD. · DEPT. PI, WOLVERHAMPTON · Tel.: WOLVERHAMPTON 20601

CURRENT MARKET PRICES (LONDON)

These prices apply to material purchased in the quantities named or otherwise as might be expected for a new building of moderate size. They include delivery and are the material basis used in the build-up of "Measured Rates" and subject to the conditions heading that schedule. Prices are under careful constant review but should be confirmed.

AGGREGATES AND SAND

1½in—all in—ballast	27/-	Yard cube
2in do. do.	28/6	delivered
2in screened shingle	23/9	(in five-yard
2in do. do.	24/6	loads or
2in granite chippings	54/6	more)
Sharp washed sand	28/-	
Pit sand	25/-	
Building sand	23/9	
Broken brick	21/-	
1½in shingle	22/-	
Cartage of muck	10/-	

BUILDING MATERIALS AS DESCRIBED, CENTRAL LONDON

CEMENTS packed in paper bags

	Per ton
Portland in 6ton lots	112/-
Do., from 1ton to 5ton 19cwt do.	124/-
Do., Rapid hardening (6ton lots)	122/6
Do. (but 1ton to 5ton 19cwt)	134/6
Cement "Aquacrete" (do.)	156/6
Do., "417" or "Polar" (do.)	156/6
Do., "White" 1ton (lots)	277/6

LIME—

	132/- (1ton loads) deliv'd
Hydrated including	129/6 (2/3 do.) do.
Grey Bags	119/6 (4/5 do.) do.
White Lime 2/6 extra per ton	

PLASTER—

Keenes, coarse, pink	239/3 ton
Do. do. white	244/6 do.
Sirapite, do.	170/6 do.
Do. finish	178/6 do.
Hardwall, do.	174/- do.
Plaster, coarse, pink	169/6 do.
Do. do. white	179/- do.
2in Gypsum Plaster Lath ex works (600sq yds)	2/5 sq yd.
2in Do. do. Wallboard	2/8 do.
3½in Jute scrim (100yd roll)	9/4 each
Cow hair (under 3cwt)	97/6 cwt

FIRECLAY—

Stourbridge, loose (1ton lots)	192/6 ton delivered
Fire cement	12/3 14lb

BRICKS

BACKING BRICKS (in truck loads)—

Flettons	118/- per	1,000 delivered
Do. Keyed	120/-	do.
Do. bullnose	152/6	do.
Blue wirecuts (Net)	542/-	do.
White	202/-	do.
Southwater engineering (Class A)	400/6	do.
Firebricks—2½in	84/- per	100 delivered
Do. —3in	99/-	do.

STOCK BRICKS—

Mild stocks	184/- per	1,000 at Works
Second, do.	253/6	do.
First, do.	274/6	do.

Add for delivery—approx. 55/- per 1,000 in lorry loads.

FACINGS (ex truck or lorry)—

Rustics	150/- per	1,000 delivered
White	220/-	do.
Blue pressed, 2½in (Net)	604/-	do.
Do. bullnose	618/-	do.
Reds (Multi sand faced)	370/-	do.
White glazed stretchers	1696/-	do.
Do. headers	1670/-	do.
Do. bullnose	2120/-	do.
Do. double stretchers	2053/-	do.
Do. double headers	2173/-	do.
Breeze fixing bricks	30/- per 100	
Fire tile and lumps	40/- ft cube	
Wall ties—8in by ½in by ½in, galvanised	83/9 per cwt	
Cement mortar (1 : 3) hand-made	93/6 yd cube	

BRICKLAYERS' SUNDRIES—

AIR BRICKS	9 by 3in	9 by 6in	9 by 9in	12 by 9in
Iron	each	2/5	3/11	5/10
Galvanized	do. do.	4/1	6/9	10/2
Terra Cotta	do.	1/4	2/8	5/8
Chimney pots, Terra	1ft	2ft	3ft	4ft
Cotta (11 to 24) do.	8/3	14/4	32/9	56/8

7 January, 1959

PARTITIONS—

18in by 9in Blocks keyed for plastering	2in	2½in	3in
Per yd super in 6ton lots	3/9	4/4	5/3
In solid clinker including any half blocks	3/11	4/7	5/3
In cellular clinker blocks	4/5	4/8	5/5

Clinker blocks in small quantity 5/9 6/9 8/2
Intermediate quantities in all types may be had at intermediate prices.
Smooth in lieu of keyed faces extra cost per side 3d per yd super

SINKS—

Fireclay white glazed in and out—standard quality	24 by 18in	30 by 18in	30 by 20in
London pattern, no overflow,			
6in deep	69/6	86/6	96/-
Belfast, plain edge, 10in deep	82/6	137/6	185/6

FLUE, LININGS, PLAIN, CIRCULAR (FIRECLAY)—

	Foot linear	Each
	Straight	Bends
9in diameter	4/5	13/3
10in do.	5/6	16/6
12in do.	10/9	32/3
9in diameter, beaded end, 12in high	6/-	

FLUE PIPES AND FITTINGS—

	4in	5in	6in
Heavy asbestos type, 6ft length	18/6	25/6	32/6
Do. 3ft length	9/3	12/9	16/3
Do. bends	7/2	9/-	10/8
Light asbestos type, 6ft lengths	16/-	20/-	25/6
Do. 3ft length	8/-	10/-	12/9
Bends	5/7	7/1	8/8
Baffle	15/5	18/4	19/4

DRAINAGE GOODS

GLAZED STONEWARE STANDARD LIST (NOV., 1956)

	4in	6in	9in
ORDINARY TYPE—Each			
Pipes in 2ft lengths	3/4	5/-	9/-
Bends	5/-	7/6	20/3
Junctions (4in on 4in, 6in on 6in, 9in on 9in)	8/4	12/6	27/-
Gullies with 4in outlets	12/6	13/9	22/6
4in horizontal inlets	4/-	4/-	4/-
4in vertical do.	6/-	6/-	6/-
Black iron grids	1/6	2/10	5/6

Adjustment to Current Cost
2ton lots or more Less than 2ton lots

2in to 9in diameter 100 pieces Under
"Best" pipes and fittings. or more 100 pieces
Percentages to add -2½% +2½%

Further percentages to be independently added in respect of:
British Standard pipes, etc., 10. "Best" Tested pipes, 37½
British Standard Tested, 47½

* Under Revision

IRON DRAINAGE GOODS—

	Each	4in	6in
Cast iron pipes, 9ft long	84/6	123/9	
Do. 6ft do.	60/4	92/10	
Do. 4ft do.	46/1	71/2	
Do. 2ft do.	28/-	42/2	
Short bend	19/-	50/7	
Junction	33/8	70/6	

CURRENT MARKET PRICES (Continued)

DRAINAGE GOODS—Continued				
GULLEY PARTS—	4in	6in		
Traps, high level, invert	33/8	91/4	each	
Inlet, bellmouth pattern	17/8	35/7	do.	
Do., with one vertical branch	31/—	58/2	do.	
Do., with two do.	84/—	122/3	do.	
Extra for sealed cover	10/8	13/10	do.	

RAINFALL SHOES—				
With vertical inlet and rebated top	44/1	87/9	each	
Extension piece	19/4	23/3	do.	
Flat loose coated grating	4/7	4/7	do.	
Loose solid coated cover	6/2	6/2	do.	

MANHOLE CHANNELS, WHITE GLAZED—				
Each	4in	6in	9in	
Straight, 2ft long	16/6	24/2	40/9	
Taper, do.	27/6	27/6	41/9	
Bends, main, half section	32/—	46/3	76/—	
Do., branch, do.	19/10	27/6	—	
Do., do., three quarters, do.	27/6	44/—	—	
Junctions, single	26/5	46/3	—	
Do., double	36/3	62/9	—	

BROWN GLAZED CHANNELS—				
Based on standard list (less than 100 pieces)	4in	6in	9in	
Half-round main channel (2ft long)	28/1	4/—	7/4	
Extra for stop ends	28/1	4/—	7/4	
Extra for outlets	5/4	8/—	—	
Channel bends with splayed ends	8/—	12/1	—	
Three-quarter section do.	10/9	16/1	—	

MANHOLE COVERS—				
24 by 18in foot traffic	33/6 each	Black		
Do. Strong do.	58/6 do.			
Do. Light car traffic	119/— do.			
Do. Road traffic	168/— do.			

SUNDRIES—				
Manhole steps	9/3	Galvanized		
4in Mica valve fresh air inlets	16/—	each		
Plumber's hemp	9/—	do.		
Gaskin, caulking	15/4	per lb		
Canvas backed hair felt, 4in wide	9d	do.		
		per ft run		

WELSH SLATES (delivered)—				
Sizes in inches	Full	100 to	1 to	
	Loads	499	99	
	per 1,000	per 100	per doz	
22 by 11	2246/—	317/—	41/9	
20 by 10	2021/6	284/—	39/—	
18 by 10	1413/—	197/—	26/—	
16 by 10	1120/—	156/—	20/6	
14 by 9	Damp Course	668/—	87/6	11/6
14 by 4½	328/—	38/6	5/—	

TILES (Brosley and Staffordshire)—				
10½in by 6½in Machine made, 6 ton lots	per 1,000	per 100		
Do., hand made, sand faced (Berks)	302/6	44/9		
Hips, valleys and angles	315/—	50/—		
Plain concrete tiles	36/3 per dozen	per 1,000	per 100	
		210/6	25/6	

Sheeting asbestos corrugated, 6in pitch				
4½in by 16 gauge, drive screws (galvanized)	8/3½	yd super		
7½in by ½in hook bolts and nuts (do.)	17/9	gross		
Washers, round, flat galvanized	57/9	do.		
Do. do. bituminous	4/3	do.		
	2/—	do.		

Sanded bitumen felt (44lb)				
Do., but 60lb in weight	1/1	yd super		
Inodorous felt, best quality	1/7	do.		
Do., second quality	3/—	do.		
Underlining	2/3	do.		
Sheathing	1/8	do.		
Galvanized felting nails	2/4	lb		

THERMAL INSULATION—

½in Insulating Gypsum Baseboard (600sq yds)	3/- sq yd
½in Do. Do. Lath	3/- do.
½in Do. Do. Wallboard	3/3 do.
½in Asbestos (Fully-compressed) Sheet	8/4 do.
½in Insulating Cork Slabs	7/6 do.
Silicate Cotton (2ton lots)	1/6 ft cube

STONE

PER FOOT CUBE in random blocks not exceeding 20ft cube in each, free on rail London.
 Monks Park 9/7 St. Aldhelm 10/10
 Portland brown Whitbed 9/2
 Doultong 10/2 Beer 9/—

TIMBER

Softwood—sawn—random lengths,	Per standard	Per cubic ft
Carcassing quality	£105	12/8
Joinery quality	£125 and up	13/4
Plain edged unsorting flooring	1in 90/- 110/-	138/- 165/-
per square		
½in Hardboard 5/8 sq yd.		
Larger quantities cost less, and smaller quantities more.		

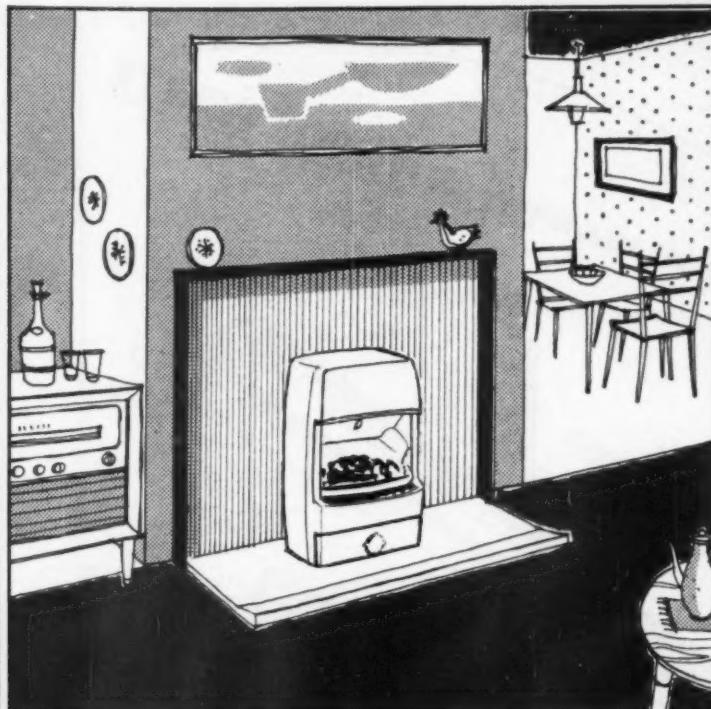
SUNDRIES—	Dia.	3in	6in	9in
Black hexagon bolts, nuts and washers. Each	1in	10d	1/2	1/5
	1in	1/3	1/8	2/1
	1in	1/9	2/4	3/—
Sashline, hemp, good quality	No. 6	No. 8	No. 10	
Per yd Run	10d	1/1	1/5	
Floor brads			84/3 per cwt	
Cut Clasp Nails			85/6 per cwt	
Steel ordinary screws	1in No. 8	3/8	2in No. 8	6/3 per gross
Brass, do.	9/5	Do.	16/7	

HARDWOOD. Normal joinery quality.				
Mahogany, African	Square edge	...	...	30/—
do. Honduras	do.	...	...	66/—
Teak, Burma and Siam	do.	...	...	78/—
Walnut, Australian	do.	...	...	84/—
Oak, English	Sawn Logs	...	...	42/—
do. Yugoslavian	do.	...	...	47/6
Walnut, African	do.	...	...	25/—

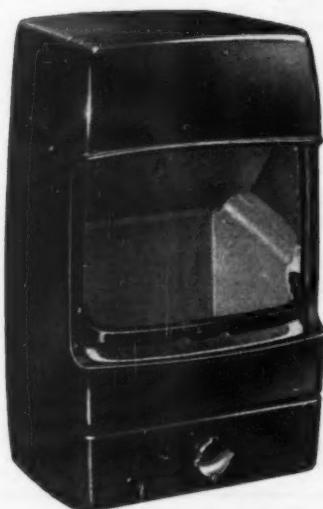
Description	Rate	Unit
16mm Birch blockboard	202/—	Per 100ft
22mm do. do.	242/—	super,
Austrian Mahogany faced one side, blockboard 18mm thick	348/—	but
Austrian figured Oak faced one side, blockboard 19mm thick	407/—	from one board
Beech, 6mm plywood	108/—	
Birch, do. do.	83/—	
Do. 9mm do.	120/—	up to
Teak faced one side, plywood 6mm thick	374/—	a
Austrian figured Oak one side, 6mm	229/—	
Australian do. Walnut do. do. ½in	212/—	bundle

IRONMONGERY

2in	3in	4in	5in	6in
1/3	2/3	3/5	6/5	9/2
Cast iron Butts, per pair				
Hinges, spring, single action regulating, japanned, each	—	8/3	12/9	16/9
Do. but double action spring only, each	—	17/6	22/3	28/—
Do. blank only, each	—	10/3	14/—	21/—

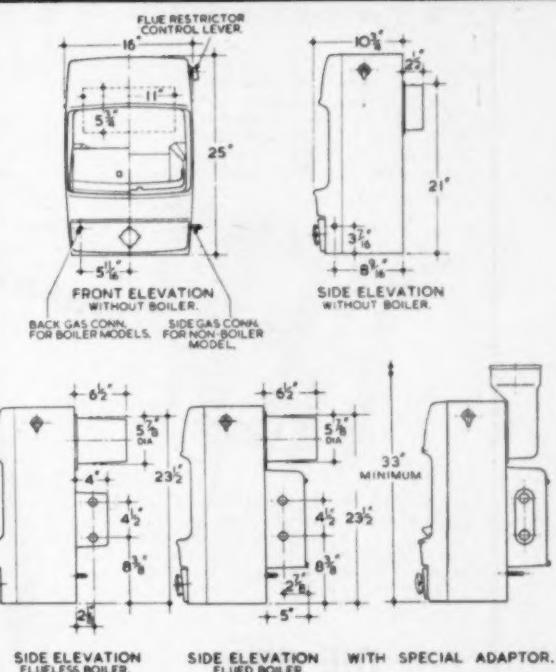


This new RAYBURN free-standing fire solves three problems :



An illustrated leaflet is available, giving full details of the three models available for this new Rayburn free-standing open fire. The leaflet also gives full technical information.

Please write to:



More warmth all over the room: The Rayburn free-standing fire is designed to stand forward on the hearth so that its wide angle of radiation gives greater all-round warmth. Also, convected currents of air pass over the exposed hot casing, giving more efficient heating, and making the whole room comfortable.

Economy: This new Rayburn fire has a variable throat restrictor, which not only ensures greater heat output per pound of fuel used, but also reduces room draughts to a minimum, thus conserving heat. All models are designed to burn Open Fire Gas Coke 1" to 2" (No. 2 size), 'Coalite', and 'Rexco'. The non-boiler model and flued boiler model will also burn dry steam coal and household coal.

Good looks plus efficient heating: This is seldom possible, but this new Rayburn fire has clean, beautiful lines. At last, an open fire has been produced that is attractive to look at, as well as giving outstanding performance in heating the room. Besides the usual colours—Alisheen black or copper, mushroom or black vitreous enamel—there are three beautiful new shades of vitreous enamel: primrose, birch grey, and blue.

...and hot water, too

If desired, the Rayburn free-standing fire can be supplied with either a flued or flueless boiler. It can then provide 2-3 hot baths a day, plus hot water for other domestic requirements.

ALLIED IRONFOUNDERS LTD

Makers of cookers, boilers, fires and baths.

28 Brook Street, London, W.1.



HEAT

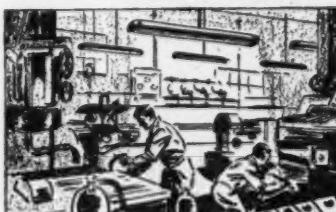
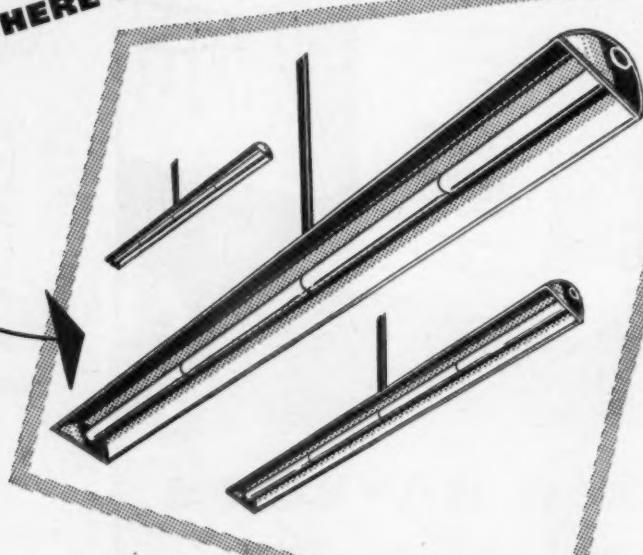
WHERE YOU WANT IT WITHOUT WASTE

**THE NEW
ELSTEIN
INFRA-RED
SYSTEM
REVOLUTIONISES
INDUSTRIAL HEATING**

The Elstein Infra-Red system makes it possible to heat large, draughty industrial buildings efficiently. Heat can be localised so that it can be directed to the area in which men are working, making it unnecessary to heat large unoccupied areas. Moreover, since none of the heat is wastefully absorbed by the atmosphere, it is not affected by air currents or extractor fans.

Elstein sealed ceramic elements are proof against chemical fumes, gases and moisture and so have an exceptionally long life. Guaranteed 10,000 burning hours. The Elstein system is easy and economical to install and operation costs are remarkably low. The overhead installation keeps floor areas clear and thus reduces FIRE and accident hazards.

Our technologists will gladly submit plans and estimates without obligation, giving wattage of elements, position of units, method of wiring, etc., to meet individual requirements, assisting the architect in any way possible.



P & R ELECTRICAL (LONDON) LTD.

PEARL HOUSE • BERRymead GARDENS • LONDON, W.3
Tel.: ACOrn 0174 (4 Lines)

CURRENT MARKET PRICES (Continued)

IRONMONGERY—Continued

	12in	18in	24in	30in	36in
Tee hinges (japanned) per pair ..	2/-	3/10	—	—	—
Do., but stronger, per pair ..	3/4	6/1	8/3	—	—
Hook and Ride hinges, per pair ..	—	—	13/4	16/3	24/10
BOLTS—each—	3in	4in	6in	8in	10in 12in
Cabinet, barrel, straight or necked ..	1/6	1/8	2/3	—	—
Square spring, with brass knob ..	1/4	1/6	1/11	—	—
Tower bolts ..	—	1/10	2/8	3/6	4/5 5/2
Barrel bolts ..	—	2/9	4/—	5/2	6/8 8/1
Add to Tower or Barrel bolts if necked ..	1d	1d	1d	1d	1d

LOCKS—each—

Rim lock, 2 lever, wrote case, brass bolt and bushing ..	12/9	Brass furniture ..	5/-
Mortice lock, 2 lever, bushed ..	12/9	or Bakelite do. ..	3/3
Cylinder latches, japanned case ..	—	Bakelite finger-plates ..	2/8
Brass sash fastener ..	—	Brass furniture ..	8/9
Casement fasteners (malleable) ..	—	or Bakelite do. ..	3/10
Do. stays (do.) ..	—	.. each ..	5/-
Axle pulleys (brass face, iron wheel) 1½in ..	—	.. do. ..	1/6
Do. as last, but with brass wheel 1½in ..	—	.. do. ..	2/-
Sash line, No. 8 Anchor, yellow label ..	—	.. do. ..	3/8
	—	.. per yard 1/-	6/3

METAL GOODS

British rolled steel joists ex mills to basis sections on site (6in by 5in, 8in by 5in or 6in, and 10in or 12in by 6in) .. £43/10/0 per ton

Extra cost over basis for following sections—

9in or 18in by 7in, 14in by 5½in, 15in by 5in, 14in or 15in or 16in or 18in by 6in, 20in by 6½in, 20in by 7½in, 10in or 12in or 14in or 18in by 8in ..	10/- per ton
5in by 4½in, 7in by 3½in, 13in by 5in ..	15/- do.
12in by 5in, 22in by 7in ..	20/- do.
6in by 4½in, 7in or 8in or 9in by 4in, 10in by 5in ..	25/- do.
4in by 3in, 10in by 4½in ..	30/- do.
5in by 2½in, 5in by 3in ..	35/- do.
6in by 3in, 24in by 7½in ..	40/- do.
3in by 3in ..	50/- do.
4½in by 1½in ..	65/- do.
3in by 1½in, 4in by 1½in ..	70/- do.
1in mild steel reinforcing rods ex mill d/d ..	£41/9/0 do.

Extras per ton

½in or ¾in diameter in size ..	15/- per ton
½in ..	30/- do.
¾in ..	62/6 do.
1in ..	92/6 do.
½in ..	132/6 do.
1in ..	172/6 do.

Extras for length

5ft to 3ft ..	7/6 do.
3ft to 2ft ..	15/- do.
2ft ..	22/6 do.
40ft to 45ft ..	15/- do.
45ft to 50ft ..	22/5 do.
Bolt and Nuts ..	112/- per cwt

Trench covering, including trays 1½in deep and rebated frames, 9in wide ..

Do., but 12in wide ..	25/- foot run
Do., but 14in wide ..	27/- do.
Do., but 18in wide ..	30/- do.

METAL SUNDRIES

Cast iron pavement lights with 4in by 3in prism and convex lenses in alternate rows ..	per
Iron single fire doors, panelled both sides, pivot hung and self closing, to angle frame rebated and lugged, to meet fire regulations ..	33/- ft super
24 gauge galvanized Talboy 6ft high, 9in diameter with 9in by 12in base ..	54/- do.
	55/- each

CHAIN LINK FENCING—

2in mesh	In 25 yards lineal rolls inclusive of line wire.				
	Height in inches—				
	36	42	48	60	72
10½in wire gauge ..	118/3	137/9	157/6	197/3	236/6
12½in do. ..	82/3	96/—	109/9	137/3	164/6
14½in do. ..	57/6	67/3	76/6	96/—	115/—

DOUBLE SOOT DOORS AND FRAMES—

Fitted with brass turn-	9in by 9in	12in by 9in	14in by 12in
buckle and cast key ..	21/6	31/3	54/—

SLIDING DOORS, GATES AND PARTITIONS—

Factory sliding doors in two leaves containing about 100sq ft with mild steel angle frames covered with 24 gauge corrugated galvanized sheeting and including hanging tubular track and gear complete ..	18/6 ft super
Factory entrance gates with mild steel frames clad with 2in mesh chain link complete ..	16/6 do.

STEEL ROOF LIGHTS—

In Skylights and Lanterns, Standard type with puttyless glazing, lead flashings, and ½in rough cast glass; in the case of Lanterns 18in vertical sashed sides are provided in addition.	Size at Base	6ft by 4ft	8ft by 6ft	10ft by 8ft
Skylights ..	..	£35 5	£50 10	£69 10
Lanterns ..	..	£55	£76 5	£110

HIGH GRADE DOMESTIC BOILERS—

Coke Fed. Performance 20 to 40 gallons raised from 40°F to 140°F per hour as under.

TYPE	£ s. d.
20 gallons per hour	11 10 0
15in wide, 23in high	Enamel finish ..
25 gallons per hour	Do. Grey Mottle ..
17in wide, 26in high	Do. Cream Mottle ..
40 Gallons per hour	Do. Cream Mottle ..
22in wide, 30in high	38 0 0

GAS, WATER AND STEAM TUBES

BASIC PRICES

Internal	½in &	¾in	1in	1½in	2in
Diameter—	½in	¾in	1in	1½in	2in
Tubes per ft	9½d	10d	1½/1	1/9	2/3
Bends each	1/7	1/9	2/2	3/8	5/5
Elbows, sq. do.	1/8	1/10	2/2	3/—	4/4
Do., round do.	1/10	2/—	2/4	2/10	3/4
Tees ..	2/—	2/2	2/6	3/2	5/—
Crosses ..	4/4	4/8	5/6	6/2	11/—
Backnuts ..	4d	4d	6d	7d	10d
Sockets ..	6d	6d	8d	10d	1/—
dimin. do.	8d	10d	1/—	1/2	2/8

EX. STOCK IN ORDERS OF £10 OR MORE

DISCOUNTS OFF BASIC LIST.

TUBE—

Black	Galvanized
Medium (Blue)—35%	Medium—25%
Heavy (Red) —25%	Heavy —15%
FITTINGS—	
Black	Galvanized
Heavy	Heavy
—10%	—2½%

RAINWATER GOODS (Painted or Unpainted)

In consignments of 5cwt and over	From Standard List
Pipe:	2in 3in 4in 5in 6in
6ft lengths ..	each 12/10 14/5 18/11 24/8 31/6
3ft do. ..	do. 7/— 7/9 10/— 13/1 16/6
Shoe, ordinary ..	do. 2/7 3/10 5/7 9/5 12/11
Bend ..	do. 3/1 4/4 6/4 11/3 14/7
Branch, single ..	do. 4/6 6/7 9/3 14/7 22/6
Offset, 4½in ..	do. 3/9 5/3 7/9 12/11 17/—
Do. 9in ..	do. 4/11 6/6 9/8 15/3 19/3
H.R. gutter, 6ft length ..	do. 6/— 8/5 10/4 13/10
Angle or nozzle ..	do. 2/6 3/1 3/9 5/4
Stop end ..	do. 9d 1/1 1/6 1/9
	Above plus 21½%

CURRENT MARKET PRICES (Continued)

PLASTERING MATERIALS

Sand, lime, cement and various plasters are previously included under those heads—	
Metal lathing (1in by 24G) (20 yards) ..	4/- sq yard
Plaster baseboard 1in (1,200 yards) ex works ..	2/4 do.
Lath nails, galvanized ..	1/11 lb
White glazed tiles (6in by 6in by 1in) ..	25/3sq yard
Do. rounded on one edge ..	30/6 do.
Do. on two adjoining edges ..	33/9 do.

PLUMBER'S GOODS

4lb lead sheet (in 1-ton lots) ..	110/3 per cwt
Lead water pipe in coils (do.) ..	112/3 do.
Plumber's solder ..	3/6 lb
Copper tacks ..	6/- do.

IRON SOIL AND WASTE PIPE. (5cwt lots and up)

each	2in	3in	3½in	4in
½in Medium pipe, 6ft length ..	14/6	17/2	19/3	21/11
Do., 4ft length ..	10/5	12/2	13/7	15/5
Bends ..	5/4	6/6	8/1	9/1
Do., with oval door ..	17/4	18/6	21/1	24/7
Junction, single ..	6/6	9/8	11/3	13/3
Do., with oval door ..	18/6	21/8	24/3	26/3
Swan necks, 4½in ..	6/6	10/3	11/9	13/9
Do., 9in ..	8/8	11/9	13/9	16/1
Holderbat, 2½in projection ..	5/9	5/11	6/3	6/4
				Above plus 22%

GALVANIZED CISTERNS, TANKS AND CYLINDERS—
(Less than three)

each	gallons
------	---------

CISTERNS	Nominal capacity			
Bends over tops and corner plates. Riveted or welded	100	150	200	300
14 gauge ..	150/-	218/-	274/-	387/-
12 gauge ..	182/-	270/-	319/-	429/-
½in plate ..	270/-	314/-	369/-	501/-

HOT WATER TANKS

Riveted and with hand hole and ring ..	20	25	30	40
12 gauge ..	137/-	140/-	152/-	175/-
½in plate ..	153/-	156/-	171/-	195/-

HOT WATER CYLINDERS—

Riveted, with handhole and ring ..	20	25	33	39
12 gauge ..	155/-	169/-	188/-	203/-
½in plate ..	167/-	185/-	207/-	222/-

PLUMBER'S BRASSWORK, etc.

	Each	½in	¾in	1in	1½in
Boiler screws, single nut ..	1/6	1/11	3/2	5/6	
Do., double nut ..	2/1	2/8	5/1	7/-	
Cap and lining ..	1/1	1/6	1/10	2/-	
Plumber's unions ..	2/3	2/10	3/11	6/11	
Ball valves, screwed iron ..	13/-	20/1	—	—	
Do., fly nut and union ..	14/-	21/7	—	—	
Bib valves, crutch top screwed iron ..	8/-	12/-	—	—	
Do., but screwed boss ..	9/1	13/7	—	—	
Stop valves, screwed iron ..	7/-	9/9	—	—	
Do., screwed iron and union ..	8/9	13/-	26/3	—	
Do., double union ..	10/-	14/3	28/6	—	
Waste, plug chain and stay ..	1½in	1½in	2in	4in	
Caps and screws ..	3/-	3/10	5/4	—	
Sleeves, long ..	—	—	7/2	10/4	
Do., short ..	—	4/-	4/2	8/4	
Thimble ..	—	3/9	4/6	9/6	
Full way gate valves, hot pressed ..	19/6	27/9	—	—	
		1½in	1½in	2in	
Lead 7lb P. trap ..	—	6/11	9/-	12/8	
Do., S. trap ..	—	8/5	11/1	15/7	
Lead 6lb P. traps with 3in seal ..	—	7/8	9/3	—	
Do., but S. traps, do. ..	—	9/6	11/7	—	
Wire balloon guards, copper, 2in, 3/3; 4in 3/6					
Do., galvanized iron, 2in 1/11; 4in 2/1					
Hair felt 34in by 30in, 24oz, 6/- sheet					
Boss white jointing compound, 2/3lb					
Gasket 1/10½lb. Hemp, 9/-lb.					

COPPER TUBES—Extract from B.S. 659/1955—

Nominal bore	Internal work (semi-hard).			3cwt lots	
	Outside diameter	Gauge	Weight lb per ft	Price per lb	Price per ft pence
½in	0.596	19	0.27	40½	10.87
¾in	0.846	19	0.39	38½	15.02
1in	1.112	18	0.62	37	22.92
1½in	1.362	18	0.76	36½	27.65
2in	1.612	18	0.91	36½	33.11
2½in	2.128	17	1.40	38	53.20

CAPILLARY TYPE CONNECTIONS—

Add for delivery and packing on orders under £10.

All ends copper to copper

Each	½in	¾in	1in	1½in	2in
Straight ..	1/11	2/8½	4/3	5/7	7/6
Elbow ..	3/10	4/9½	6/4	8/1	12/10
Tees ..	4/7½	5/5	8/7½	12/8	18/—
Brackets (Brass) ..	2/—	2/4	2/7	—	—

GLASS

English, flat drawn sheet glass cut to sizes	Per foot superficial
in squares ..	24oz 26oz 32oz
10½d 10½d 10½d	10½d 10½d 10½d
Figured rolled, white cut to sizes, in squares (½in)	11½d Per ft super
Group 1 sizes, in squares (½in)	Group 2 sizes, in squares (½in)
Ditto, but in standard tints ..	1/10 do.
½in Rolled, cut to size, in squares ..	11½d do.
in rough cast do. ..	1/3½d do.
in do. wired do. ..	1/7½ do.
Georgian wired do. ..	1/7½ do.
Fluted (No. 4) do. ..	1/8½ do.
Reeded (narrow, broad, cross and major) do. ..	1/4½ do.
½in Reedlyte (narrow and broad) do. ..	1/4½ do.
Spotlite do. ..	1/4½ do.
½in Calorex Cast do. ..	1/8 do.
Flashed Opal (15/18oz) up to 1ft super ..	4/2 do.
do. .. over 1ft super ..	5/- do.
Pot Opal (15/18oz) up to 1ft super ..	4/2 do.
do. .. over 1ft super ..	5/- do.

POLISHED PLATE GLASS (Tariff) Cut to sizes.

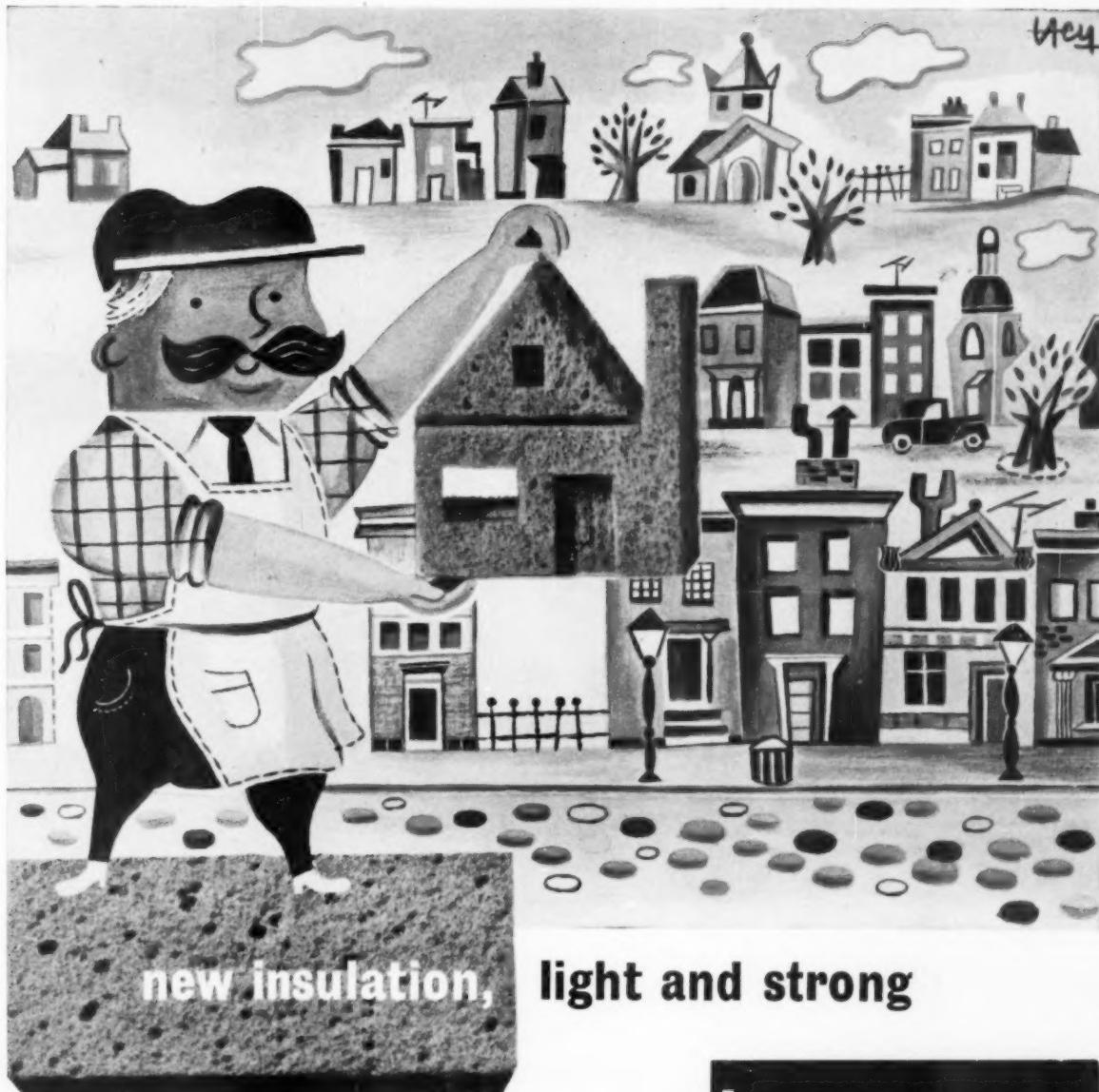
Ordinary substance ½in and ¼in thick.

Per Superficial ft	General Glazing
In plates not exceeding:	
2ft super in each ..	4/3
5ft do. ..	5/3
45ft do. (unless extra sizes)	6/3
100ft do. (do.) ..	6/9

Extra sizes, i.e., Plates exceeding 100ft super or 160in one way or 96in both ways at higher prices.

DECORATING MATERIAL

	Price	Unit
Aluminium Paint ..	36/-	Gallon
Distemper, ceiling ..	35/-	cwt
Distemper, washable ..	120/-	do.
Enamel ..	60/-	Gallon
Gold Metallic Paint ..	79/-	do.
Heat Resisting Paint ..	50/-	do.
Japan, black ..	35/-	do.
Knotting ..	50/-	do.
Linseed Oil ..	17/-	do.
Boiled, do. ..	17/9	do.
Proprietary Paints (good class)—		
Finishing ..	57/6	do.
Priming ..	62/-	do.
Undercoat ..	57/-	Cwt
Paperhanger's Paste ..	36/6	
Petrifying liquid ..	9/-	Gallon
Putty ..	54/-	Cwt
Size ..	12/3	Firkin
Terebine ..	37/-	Gallon
Turpentine substitute ..	6/5	do.
Varnish, oak, copal inside use ..	45/-	do.
Do., do., outside use ..	45/-	do.
Do., white, eggshell, flat ..	50/-	do.
White lead mixed paint ..	66/6	do.
White lead ..	167/6	Cwt
Whiting ..	13/3	do.



new insulation,

light and strong

with Isocyanates

and POLYESTERS by ICI

These simple-to-mix components give strong, light-weight rigid foams of special interest to the building trade.

Their high thermal resistance commends them, for example, as heat insulation in walls and ceilings.

The components are easily mixed on site and foaming takes place in the cavities to be filled. As this happens, a bond is formed with the material in contact with the foam, thus adding rigidity and strength to the structure. A range of foams of varying densities can easily be produced.

Ask for details of these
foam-producing products:
Daltolacs 21, 22 & 24 and Suprasec D.

Enquiries should be addressed to: I.C.I. Sales Development Department (Polyisocyanates), Ship Canal House, King Street, Manchester 2

IMPERIAL CHEMICAL INDUSTRIES LIMITED LONDON SW1 ENGLAND

THE BROOKWOOD MEMORIAL



*Architect: R. Hobday, A.R.I.B.A.
Senior Architect to the Imperial War Graves Commission*

Broughton Moor Light Sea Green Slate

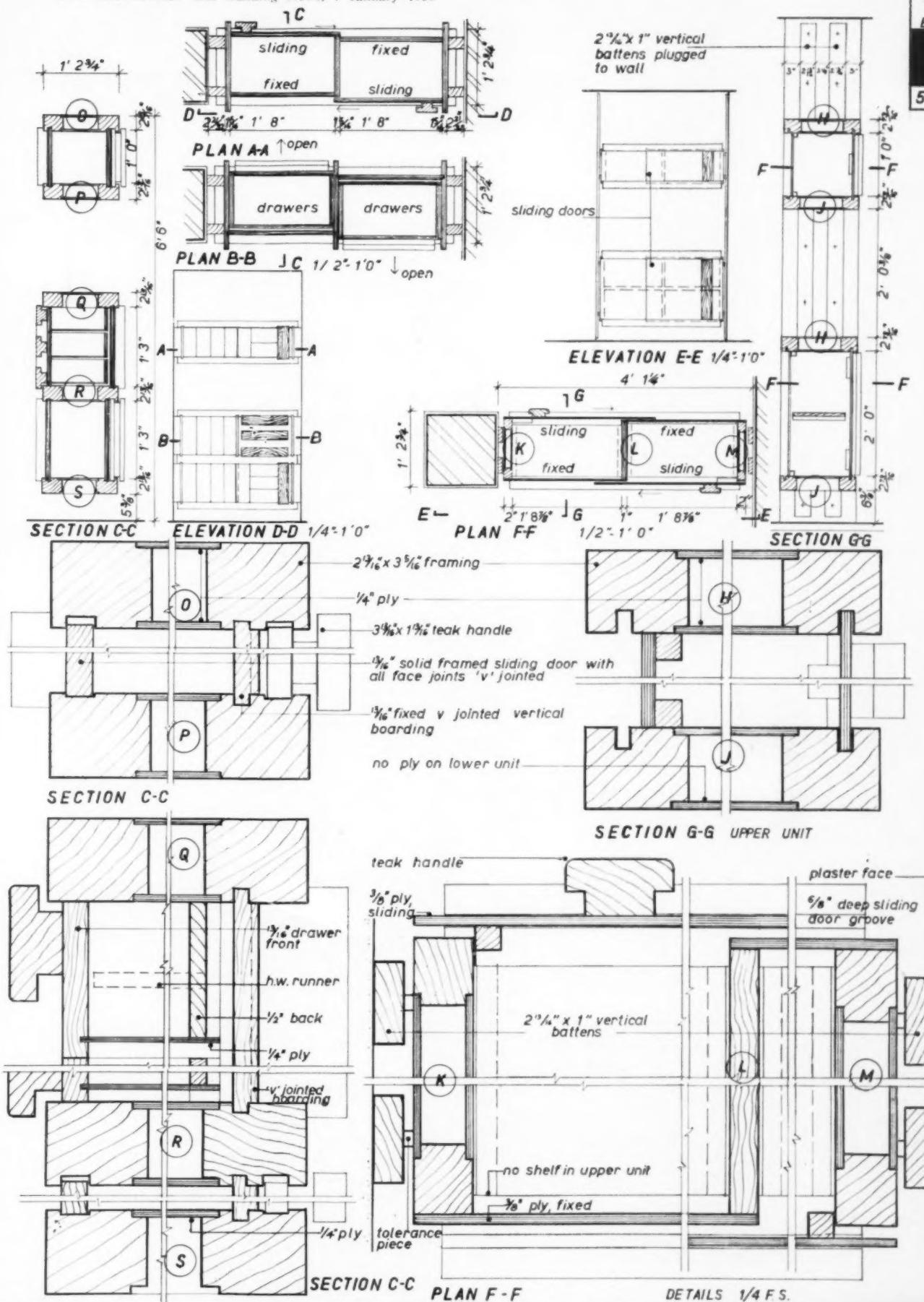
was chosen for its lasting beauty to preserve the names of 3,500 men and women of the Commonwealth who died on active service during the second world war and who have no known graves. Their names are carved in the twenty-eight panels of Broughton Moor Light Sea Green Slate set in the circular columns of the Brookwood Memorial, recently unveiled by the Queen. Chiselled deep into the glassy surface of the highly polished slate, the names are clear and legible. This beautiful green slate from the Lake District, rugged and hard, will defy the tooth of time to preserve the names for centuries to come.

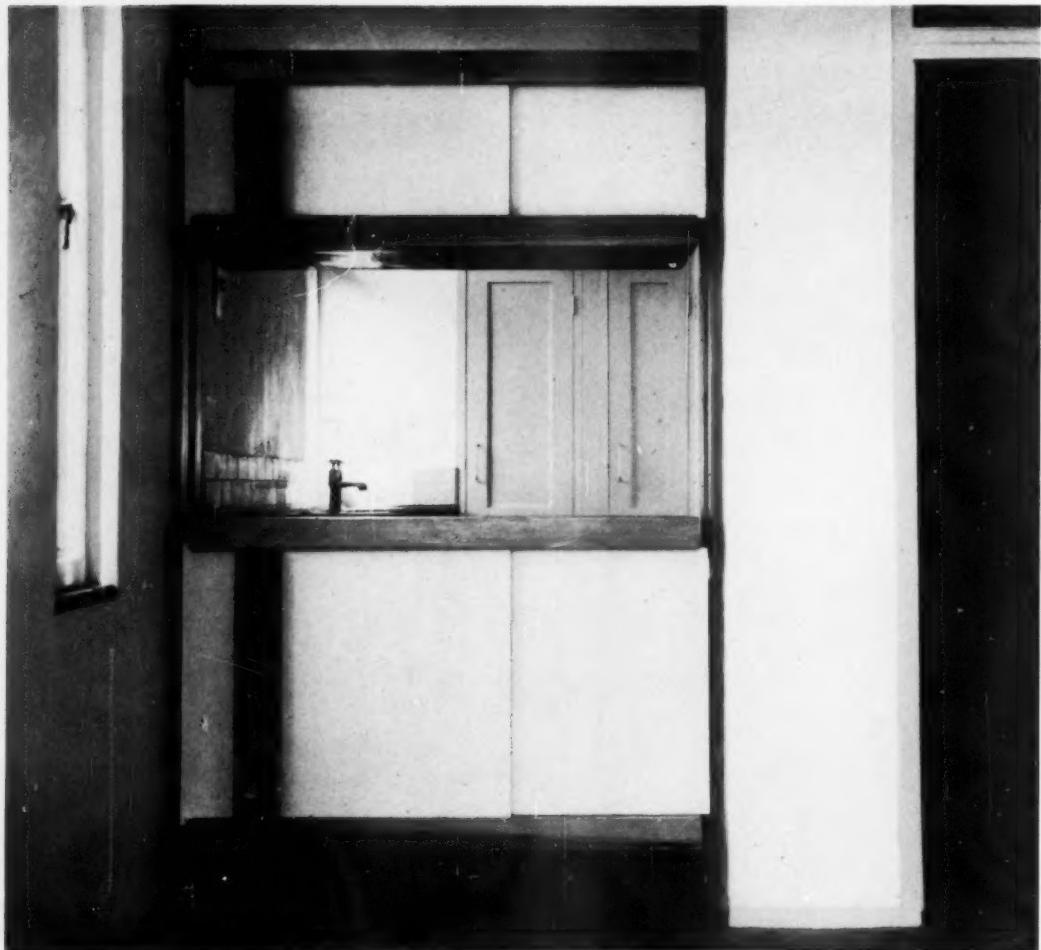


A section of Broughton Moor Slate, showing the highly polished finish. Finely rubbed, naturally riven, sanded and frame sawn finishes are also supplied, and technical pamphlets showing typical methods of fixing are available, as follows: 1. Flooring; 2. Facings; 3. Coping; 4. Cills; 5. Riven Face Slabs.

The BROUGHTON MOOR Green Slate Quarries Ltd

CONISTON · THE LAKE DISTRICT LANCASHIRE · Telephone: Coniston 225





The two servery units illustrated here are typical of those separating the kitchens from the dining spaces in the Langham House flats at Ham Common. Cupboard handles and drawer pulls are in oiled teak throughout. In all units the finishes are a combination of softwood, painted gloss white, and pine, finished with a clear varnish, the horizontal framing members contrasting with the faces of cupboards and drawers. In each case half of the available storage space is accessible from each side of the unit. The architects are James Stirling and James Gowan



**Thermalite
is now in
full production
at the
second factory
in the
Midlands**

Two factories are serving Britain
for the production of Thermalite
building blocks and delivery time
has now been reduced to 2-3 weeks.

THERMALITE

Load Bearing Insulating Building Blocks

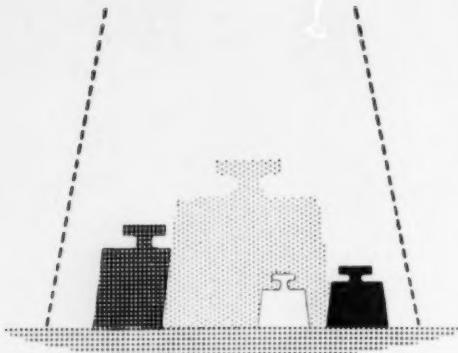
- 
- Thermal insulation
 - Load bearing
 - High speed of laying
 - Light weight
 - Workability
 - Direct fixing
 - Fire resistance
 - Reduces the risk of condensation

For further details apply to

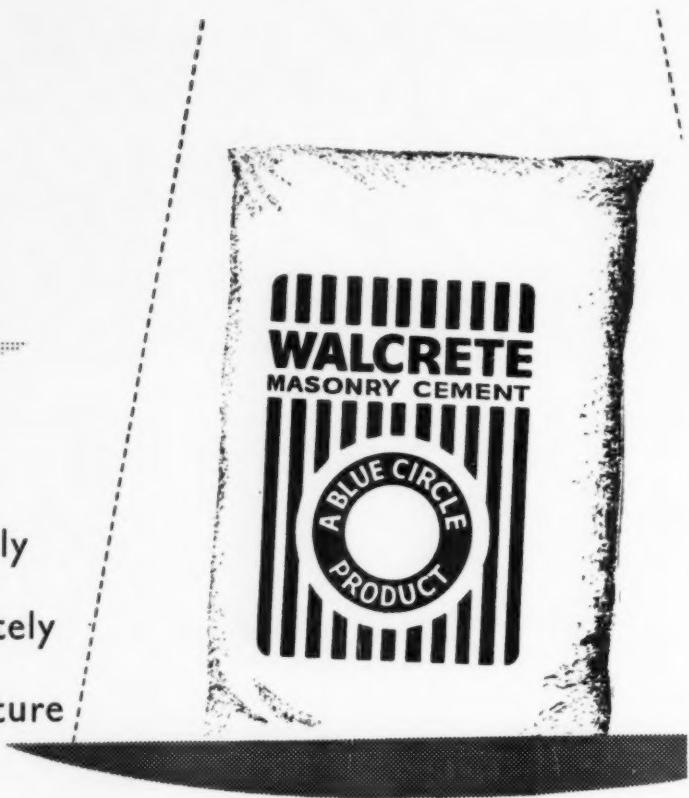
THERMALITE-YTONG LIMITED

Hams Hall, Lea Marston, Sutton Coldfield, Warwickshire. Telephone: Coleshill 2081

A **LAING** COMPANY



Because the correct constituents are accurately proportioned and intimately mixed-in during manufacture you get the perfect mortar material with



WALCRETE

which is made under rigid laboratory control to Blue Circle standards.

Only Walcrete, suitable sand and water are needed on the site.

Because of its high sand carrying capacity Walcrete produces a cheaper mortar for brickwork, rendering, internal plastering etc., with the following properties:—

Excellent plasticity and workability

Low shrinkage and moisture movement

Higher resistance to sulphates than conventional mortars

Excellent cohesiveness

Frost resistance. Good water retentivity

Write for further details and prices to:

THE CEMENT MARKETING COMPANY LIMITED
PORTLAND HOUSE, TOTHILL STREET, LONDON, S.W.1
G. & T. EARLE LIMITED, HULL

THE SOUTH WALES PORTLAND CEMENT & LIME COMPANY LIMITED, PENARTH, GLAM.



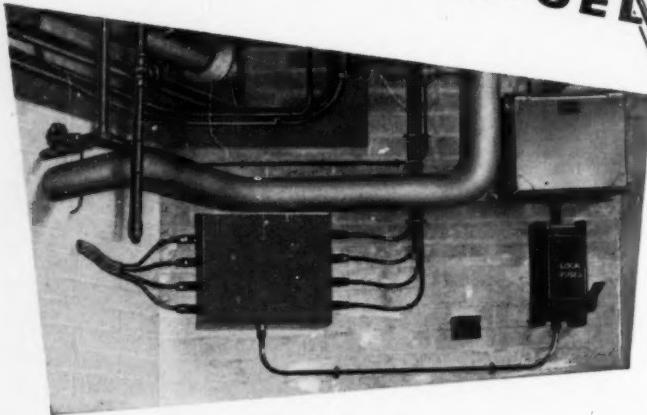
Shanks



COMPACTO

Fireclay Urinals with enclosed flush tanks

SHANKS & CO., LTD., TUBAL WORKS, BARRHEAD, SCOTLAND



'Pyrotenax' in the cellars of
GUY'S HOSPITAL, London.

**non-fire causing — heat resisting —
moisture proof — non ageing —
rust-proof — safe against overload —
resistant to mechanical maltreatment —
resistant to noise transmission.**

The use of the trade name
"Pyrotenax" is exclusive to
the products of this Company
and its associates.

Pyrotenax

COPPER COATED MI CABLES

PERFECTED BY EXPERIENCE

PYRO TENAX LIMITED

Hebburn-on-Tyne. Phone: HEBBURN 83-2244/8

Notes below give basic data of contracts open under locality and authority which are in a bold type. References indicate: (a) type of work (b) address for application. Where no town is stated in the

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Contractors and Joinery
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BUILDING

ABERCARN U.C. (a) 52 houses at Trinian site, Crumlin. (b) Council's Engineer, Council Offices. (c) 3gn. (e) February 9.

AMPTHILL R.C. (a) Construction and completion of proposed seven bungalows at Goswell End Road, Harlington. (b) Engineer and Surveyor, 12 Dunstable Street, Ampthill, Bedford. (c) 2gn. (e) January 19.

ANGLESEY E.C. (a) Fixed price tenders for the first instalment of David Hughes new comprehensive school, Menai Bridge. (b) County Architect, Shire Hall, Llangefni. (c) 3gn. (d) January 23. (e) February 26.

BRIDGEWATER B.C. (a) Contract No. 64—74 dwellings on Sydenham estate. (b) Borough Architect, Town Hall. (c) 2gn. (d) January 12.

BRIGHTON B.C. (a) Fixed price tenders for new extension at Vardean grammar school for boys. (b) Borough Surveyor, 26/30 King's Road. (c) 2gn. (e) January 19.

BRIGHTON B.C. (a) Fixed price tenders for new physics laboratory at Vardean grammar school for girls. (b) Borough Surveyor, 26/30 King's Road. (c) 2gn. (e) January 19.

CHESTERFIELD R.C. (a) Completion of (i) 20 houses at Malthouse Lane, Ashover, (ii) 30 houses at North Side, Tupton, (iii) 28 houses and 20 bungalows at West End, Eckington, (iv) 12 houses at Stonebroom, and (v) four bungalows at Cutthorpe. (b) Council's Engineer and Surveyor, Rural Council House, Saltergate. (c) 2gn each scheme. (e) January 30.

DORE AND BREDWARDINE R.C. (a) Seven dwelling houses on a site at Kingstone. (b) Messrs. Bettington & Sons, 12 Castle Street, Hereford. (c) 2gn. (e) January 20.

EASTBOURNE B.C. (a) (i) Two laboratories and two house craft rooms, (ii) detached single storey art and crafts room together with stores and lavatories, and (iii) minor adaptations to existing building, at Girls' High School, Eldon Road. (b) Borough Surveyor, 2 and 4 Saffrons Road. (c) 2gn by cheque, payable to Corporation. (e) February 16.

EIRE—ENNIS. (a) Erection and completion of a new 42-bed three-storey hospital unit at Caherealla Ennis, Co. Clare for the Mother General, Order of St. John of God. (b) Austin F. Reddy, C.Q.S., 22 Upper Pembroke Street, Dublin. (c) £25. (e) January 17.

EIRE—GALWAY C.C. (a) Reconstruction of the bridge over the River Clare at Rusceltown. (b) Mr. Ed. Ralph Ryan, 1 Montpelier Terrace. (c) £26 5s. (e) January 30.

address it is the same as the locality given in the heading (c) deposit (d) last date of application (e) last date and time for submission of tenders. Full details of contracts marked * are given in the advertisement section.

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EIRE—GALWAY C.C. (a) Reconstruction of the Castlemoyle Bridge over the River Grange and contingent works. (b) Mr. Ed. Ralph Ryan, 1 Montpelier Terrace. (c) 10gn. (e) January 30.

EIRE—KERRY C.C. (a) Construction of Glenbeigh Sewerage scheme. (b) Edward G. Pettit, Contg. Engr., Exchange Buildings, Princes Street, Cork. (c) 10gn. (e) February 23.

EIRE—TIPPERARY (N.R.) C.C. (a) Erection of a male recreation room at the Hospital of the Assumption, Thurles. (b) Secretary, County Council Offices, Thurles. (c) £10. (e) January 16.

HAY-ON-WYE. (a) Alteration works at the Magistrates' Courtroom. (b) Mr. T. Jesty Williams, County Architect, Rhayd Offices, Brecon. (e) January 14.

HOLMFIRTH U.C. (a) 41 dwellings at Kirkroyds estate. (b) Messrs. P. M. Brown & Son, Market Place, Honley. (c) 2gn by cheque, payable to Council. (d) January 12. (e) February 9.

ILFORD B.C. (a) Erection of a single-storey bowls pavilion on a site in Hainault Recreation Ground. (b) Borough Engineer, Town Hall. (c) 2gn. (e) January 27.

LINCOLN C.C. (a) Fixed price tenders for 74 dwellings and 10 garages at Ermine East estate and Outer Circle Drive. (b) City Architect, Stamp End. (c) 2gn, cheques payable to Corporation. (e) January 24.

LONDON—HAMPSTEAD B.C. (a) Conversion into flats (total 38 units) of 116 Fitzjohn's Avenue, N.W.3 including rebuilding of rear block. (b) Town Clerk, Town Hall, Haverstock Hill, N.W.3. (d) January 16 together with statement of work already carried out.

LONDON—WANDSWORTH B.C. (a) 58 flats and maisonettes and a library in Allfarthing Lane. (b) Town Clerk, Municipal Buildings, Wandsworth, S.W.18. (d) January 14, giving details of experience, plant and technical and supervisory staff available, together with names of two technical and two financial referees.

NORTHERN IRELAND—BELFAST. (a) Erection of motel at 348 Lisburn Road. (b) Miss Patterson, Messrs. Patterson's Garage, 348 Lisburn Road. (d) January 10.

NORTHERN IRELAND—BELFAST. (a) Erection and completion of a proposed extension to the premises of Ledley Hall Boys' Club at Lord Street, off Albertbridge Road, for the Churches' Youth Welfare Council. (b) Messrs. Munce & Kennedy, 133 University Street. (c) 2gn. (e) January 16.

N. IRELAND—DOWN E.C. (a) Fabrication, supply and erection of structural steelwork at Redburn (new) primary school, Holywood. (b) Messrs. R. H. Gibson and E. C. Taylor, 16 Donegall Square South. (c) 3gn. (e) January 15.

N. IRELAND—LONDONDERRY E.C. (a) Erection of new intermediate school at Dungiven, for 165 pupils. (b) C. G. Dalzell, The Diamond, Coleraine. (c) £5. (e) January 19.

N. IRELAND—LURGAN B.C. (a) Erection of 308 dwelling houses at Mourneview Avenue. (b) Town Clerk's Office. (c) 5gn. (e) January 26.

* * * * *

PENYBONT R.C. (a) 20 dwellings at Bryncoch site, Contract No. 1. (b) Council's Surveyor, Penybont R.D. Council, Council Offices, Coity Road, Bridgend. (c) 2gn. (e) January 15.

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PLYMOUTH C.C. (a) 100 houses at Southway. (b) City Architect, Seymour Road. (c) 3gn, payable to Corporation. (d) January 10.

RICKMANSWORTH U.C. (a) Erection of Council depot and 23 garages together with site works on Berry Lane estate, Mill End. (b) Engineer and Surveyor, Council Offices, Rickmansworth, Herts. (c) 2gn. (e) January 26.

SCOTLAND—ARGYLL C.C. (a) Erection of (i) 24 houses at High Bank Parl, Lochgilphead, (ii) 29 houses at Tarbert and 24 houses at Ardriehaig (one contract), (iii) public conveniences and waiting room facilities at Tarbert, and (iv) fire station at Campbeltown. (b) County Architect, County Offices, Dunoon. (d) January 17, stating contract(s) for which schedules are requested so that names may be placed on a list of contractors from whom tenders will be invited.

SCOTLAND — CORPORATION OF GLASGOW. (a) Several works of Phase One of the Stow College of Building and Printing (14 storeys in reinforced concrete construction) at North Hanover Street, Glasgow, C.I. (Contractors requested to inspect drawings at offices of the architects, Messrs. Wylie, Shanks & Underwood, 12 Clairmont Gardens, Glasgow, C.3, on any weekday between 10 a.m. and 4 p.m. before making application.) (b) Town Clerk, City Chambers, in writing. (d) January 10.

SCOTLAND — CORPORATION OF GLASGOW. (a) Several works in connection with proposed community centre at Pollok. (b) Architectural and Planning Department, 20 Trongate, Glasgow, C.I. (e) January 29.

SCOTLAND — CORPORATION OF GLASGOW. (a) Several works in connection with new junior secondary school at Easterhouse—Site No. 6. (b) Architectural and Planning Department, 20 Trongate, Glasgow, C.I. (e) January 29.

SCOTLAND — GLASGOW CORPORATION. (a) Several works in connection with the erection of 12 houses at Ladymuir Crescent, Pollok. (b) Architectural and Planning Department, 20 Trongate, Glasgow, C.I. (e) January 22.

SCOTLAND—ROYAL BURGH OF INVERURIE. (a) 30 three-apartment houses at Kellands Site—24th Development, on firm-price basis. (b) Burgh Surveyor, Town House, Inverurie. (e) January 24.

STARTFORTH R.C. (a) Three pairs aged persons' bungalows at Startforth site. (b) Harley Richardson & Shaw, 3 Skinnergate, Darlington. (c) 2gn, payable to Council. (e) January 21.

WEST KESTEVEN R.C. (a) Eight "Homeville" bungalows at Foston, 14 at Great Gonerby and four at Old Somerby. (b) Council's Surveyor, Sandon Close, Grantham, after January 8. (e) January 30.

WEST RIDING OF YORKSHIRE C.C. (a) Formation of a dental clinic at Croft House, Ossett. (b) County Architect, "Bishopsgarth", Westfield Road, Wakefield. (d) January 19. (e) February 2.

WHITEHAVEN B.C. (a) 14 pairs of houses on Valley housing scheme No. 18. (b) Borough Surveyor, Town Hall, Whitehaven, Cumberland. (c) 3gn. (e) January 31.

WINCANTON R.C. (a) Block of old people's accommodation at Balsam Fields, comprising 13 bungalows and warden's and community block with site works and services. (b) Council's Engineer, Council Offices. (c) 2gn. (e) January 19.

WOKING U.C. (a) Construction of park superintendent's house on the White Rose Lane frontage of Woking Park. (b) Engineer and Surveyor, Council Offices. (c) 2gn. (e) January 26.

WOKINGHAM R.C. (a) Fixed price tenders for the erection of two blocks of four bungalows on land at Southlake Crescent estate, Woodley. (b) Council's Surveyor, Council Offices, Shute End. (c) 2gn. (e) January 31.

WORCESTER C.C. (a) Erection of Warndon primary school. (b) Director of Education, 13 High Street, in writing by January 14, to be considered for inclusion in a list of contractors, giving particulars of similar contracts recently completed.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

LEWISHAM B.C. (1) 132 flats, 40 maisonettes. (2) Eltham Road. (3) Richard Costain Ltd., 111 Westminster Bridge Road, London, S.E.1. (4) £402,807. (1) 49 flats, 16 maisonettes, seven houses. (2) Honor Oak Road. (3) A. Roberts & Co. Ltd., Eccleston Square, London, S.W.1. (4) £163,000.

WELWYN, HERTS. (1) Main building contract for the new general hospital. (2) Welwyn Garden City. (3) Wm. Moss & Sons Ltd., North Circular Road, London, N.W.2. (4) £1,400,000.

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ST. PANCRAS B.C. (1) 66 dwellings. (2) Plender Street. (3) Building Surveyor and Manager. (4) £162,823. (1) 15 flats. (2) Brecknock Road. (3) Percy Bilton Ltd., Park Street, London, W.1. (4) £32,152.

BIRMINGHAM. (1) Eight-storey building for Norwich Union Insurance Societies. (2) Smallbrook Street. (3) C. Bryant & Son Ltd., Whitmore Road, Birmingham. (4) £505,000.

SWANSEA UNIVERSITY. (1) First stage of new college and second stage of natural science building. (2) Singleton. (3) Demolition & Construction Co. Ltd., The Chambers, Cardiff. (4) £480,000 and £270,000 respectively.

SWANSEA B.C. (1) 114 dwellings. (2) Class II site. (3) Gibson & King Ltd., Milford Haven. (4) £184,682. (1) 54 dwellings. (2) Nicander Parade. (3) Gee, Walker & Slater Ltd., 100 Park Lane, London, W.1. (4) £83,431.

BRISTOL UNIVERSITY. (1) Two further blocks of halls of residence. (2) Churchill Hall, Stoke Park Road. (3) John Laing & Son Ltd., Mill Hill, London, N.W.7. (4) £170,000.

CHESHIRE C.C. (1) Secondary school. (2) Nantwich. (3) J. T. Gresty & Sons Ltd., Willaston, Nantwich, Cheshire. (4) £97,194.

MONMOUTHSHIRE C.C. (1) Technical College. (2) Newport. (3) W. & A. Davies Ltd., Abersychan, Pontypool. (4) £340,000.

SWANSEA B.C. (1) Junior school. (2) Trallwn. (3) E. Turner & Sons Ltd., Walter Road, Swansea. (4) £36,957.

ST. MARYLEBONE B.C. (1) 48 flats. (2) Newcourt Street. (3) A. Roberts & Co. Ltd., 79 Eccleston Square, London, S.W.1. (4) £69,508.

FINCHLEY. (1) Erection of "Golden Eagle" public house. (2) Regent's Park Road. (3) W. Loweth & Sons Ltd., 67 Downs Park Road, London, E.8. (4) £29,000.

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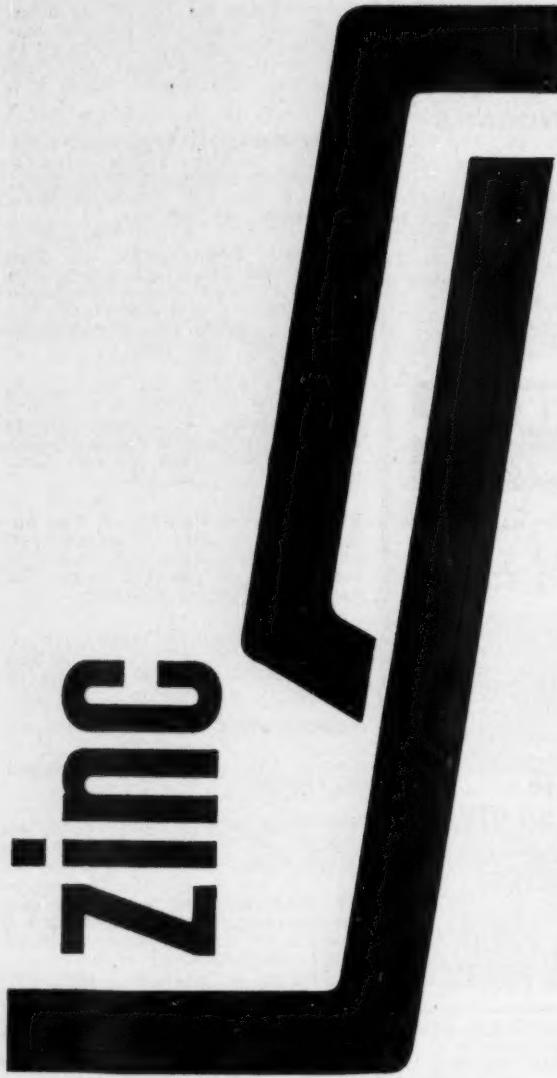
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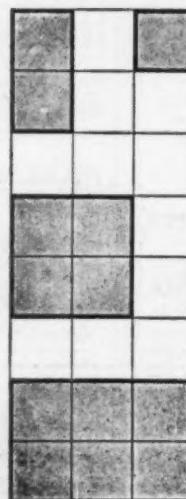
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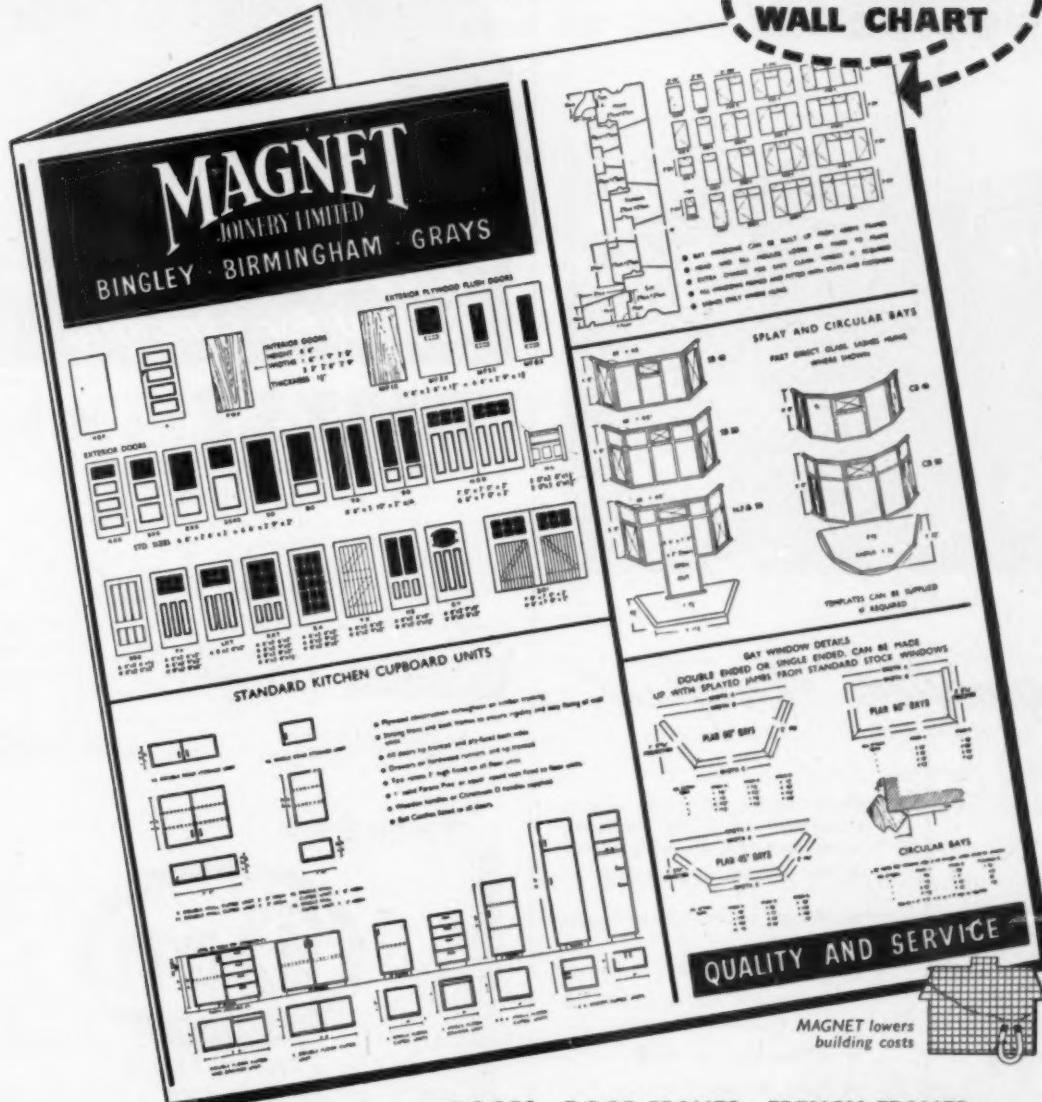
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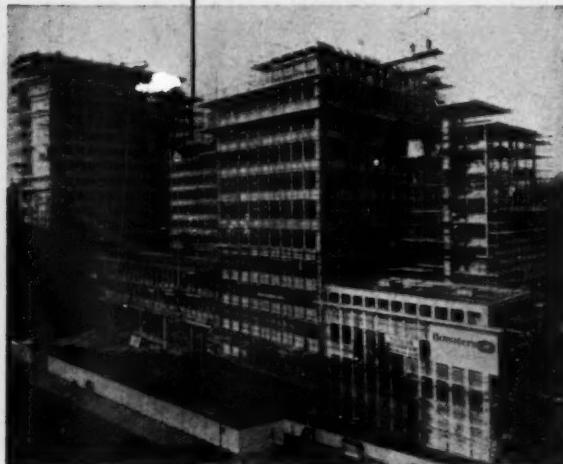
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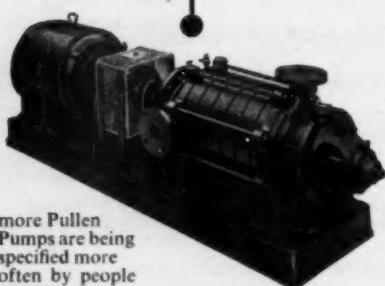


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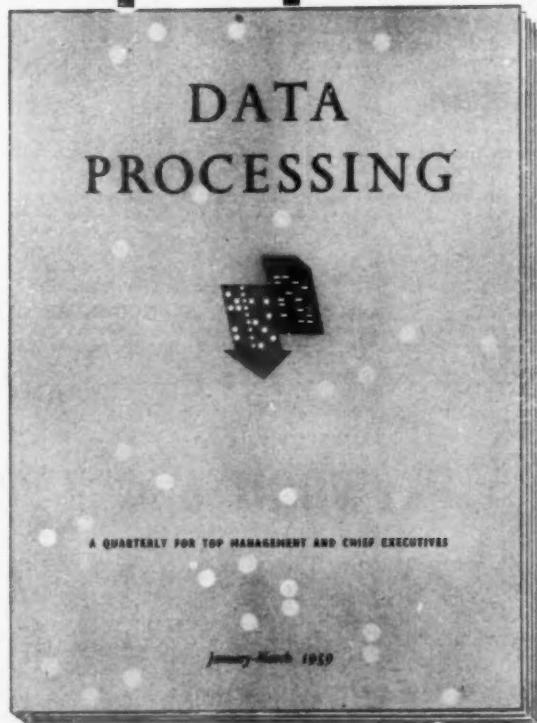
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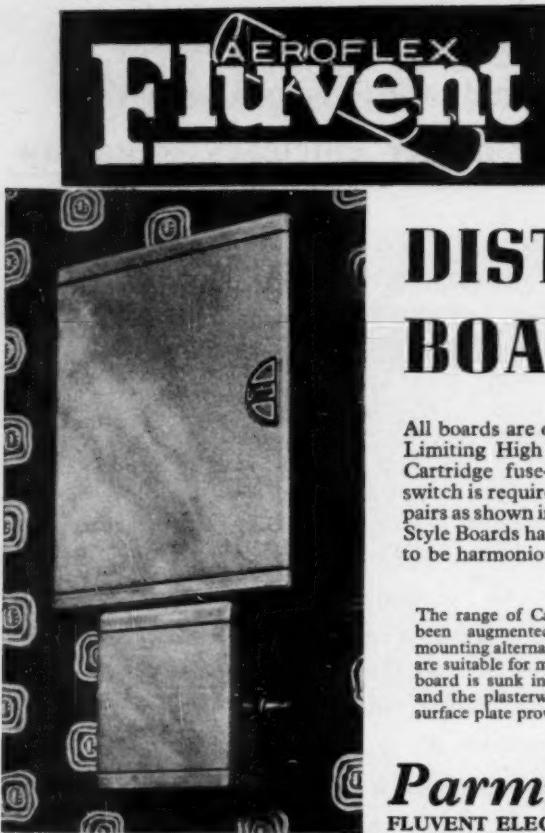
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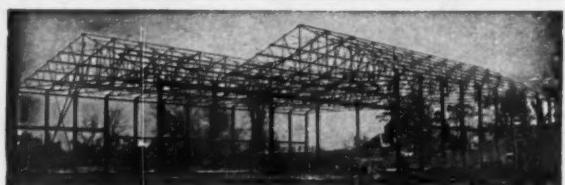
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Cavitation of the seatings is greatly reduced if not entirely eliminated, giving the valve a trouble-free long life many times that of an ordinary ball valve.

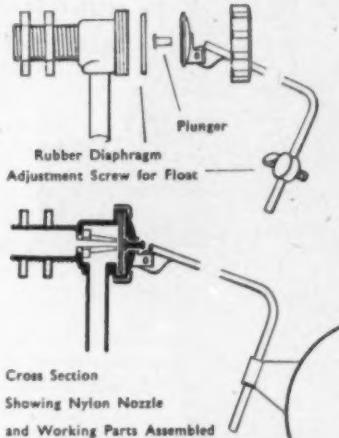
NOISELESS because :-

Water passes into the cistern through a nylon nozzle shaped to minimise disturbance on contact with a rubber diaphragm and then passes into the cistern through a plastic tube thereby avoiding metallic vibration.

A trouble-free ball valve is the urgent need of Water Boards, Householders and the Building Industry. Now, the KINGLEY B.R.S. BALL VALVE has been produced to meet this need and has the added advantage of being NOISELESS.

The main features of the KINGLEY B.R.S. BALL VALVE are as illustrated, a nylon nozzle shaped to overcome cavitation and a rubber diaphragm which stops the flow of water when pressed against the nozzle by a plunger. The diaphragm keeps the moving parts of the valve dry and free from corrosion and incrustation. The movement of the plunger is controlled by the usual float on a hinged arm, which at its free end is bent down at a right-angle. By means of a thumbscrew, the float can be fixed on this part of the arm at any height depending on the water level required in the cistern.

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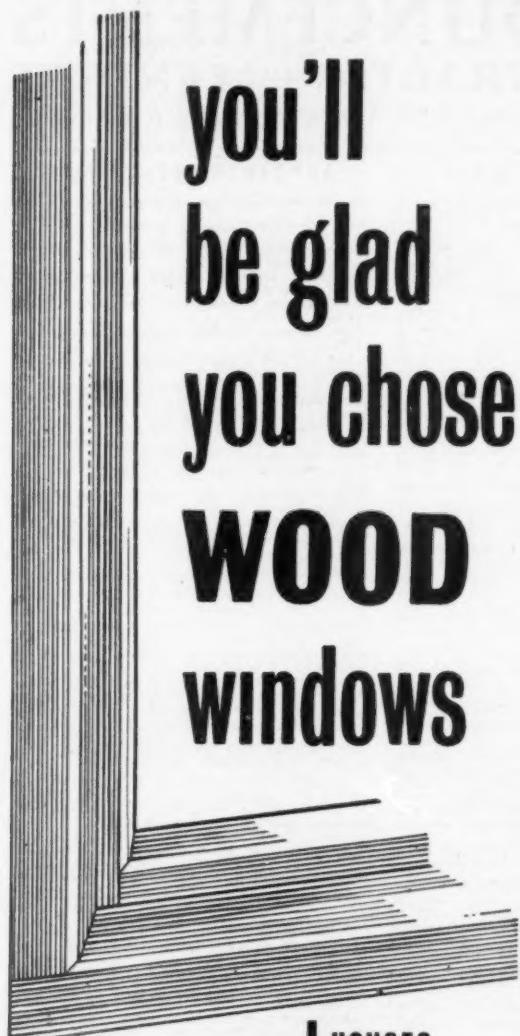
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APPOINTMENTS

County Borough of West Ham

Borough Architect and Planning Officer's Department

APPLICATIONS invited for the following permanent posts:

(a) Chief Assistant Planning Officer, J.N.C. scale A: £1,185 x £50(3) x £45(1)—£1,380 p.a.

Must be A.M.T.P.I. and additional qualification A.R.I.B.A. or A.R.I.C.S. an advantage, preferably with experience in replanning urban areas. Will be responsible for Planning Administration generally.

(b) Senior Group Architect, APT Grade V: £1,175 x £50—£1,325 p.a. and L.A.

Must be A.R.I.B.A. with experience of handling large Housing Contracts and controlling staff. Planning qualification an advantage.

(c) Architectural Assistant, APT Grade I: £575 x £30—£725 p.a. and L.A.

Inter R.I.B.A. standard, with office experience. Application forms and details from Borough Architect and Planning Officer, 70 West Ham Avenue, Stratford, E.15, returnable by January 17, 1959. [4705]

North Down Rural District Council

APPOINTMENT OF ARCHITECT

THE North Down Rural District Council invites applications for the position as Architect to the Council.

Applicants must be Associate Members of the Royal Institute of British Architects and must also have at least two years' practical experience. They must also comply with the other requirements of the Local Authorities (Qualifications of Architects) Regulations (Northern Ireland), 1946 (S.R. & O. 1946 No. 79).

Some of the duties on which the officer will be mainly engaged consist of new housing, slum clearance, redevelopment, conversion and improvement schemes.

The Council is not Planning Authority for its area but the nature of the architectural duties to be carried out are such that experience of planning work would be an advantage.

The Council will be prepared to offer a salary range of £1,250 to £1,450 to applicants who, in addition to satisfying the conditions specified, are also Members or Associate Members of the Town Planning Institute and who have had at least two years' practical experience of planning work.

The appointment will be subject to the approval of the Ministry of Health and Local Government.

Applications stating age, experience and qualifications, together with copies of recent testimonials should be forwarded to reach the Clerk, North Down Rural District Council, 2 Church Street, Newtowndale, not later than Friday, January 16, 1959.

December 23, 1958. [4709]

Harlow Urban District Council

require an
ARCHITECTURAL ASSISTANT

ON Grade APT II (£725/£845) or Grade APT III (£845/£1,025) according to qualifications and experience. Appointment subject to a medical examination.

Housing available, removal expenses paid where necessary. Car allowance will be made where appropriate.

Harlow, with a population of 45,000, rapidly expanding to 80,000 offers excellent experience to a keen and energetic applicant. The Department is actively engaged in the preparation of schemes for several major projects including a swimming pool and a crematorium as well as the normal development projects for local authority services.

Applications, naming two referees to be received by the Engineer and Surveyor, A.W.R. Webb, A.M.I.C.E., M.I.Mun.E., M.R.S.H., Nettewell Hall, Harlow, Essex, by January 21, 1959. [4719]

The University of Manchester

APPLICATIONS are invited for two posts of Lecturer in Architecture from candidates with professional membership of the Royal Institute of British Architects and not less than three years of practical experience.

Membership of the F.S.S.U. and Children's Allowance Scheme. Applications should be sent, not later than January 31, 1959, to the Registrar, the University, Manchester 13, from whom further particulars and forms of application may be obtained. [4702]

APPOINTMENTS (cont)

Kent County Council

ARCHITECTS are required for work on the Council's extensive building programme which includes schools, colleges, old peoples' and children's homes, clinics, ambulance, fire and police stations and other public buildings.

Candidates should be capable of accepting responsibility and display initiative, within a group system, in design and control of building projects, and possess experience and ability in current problems of design and control of costs.

Salaries within scale £750/£1,030 a year. Commencing salary according to qualifications and experience.

N.J.C. Conditions of Service. Further details and application forms from County Architect, Springfield, Maidstone. Closing date January 27, 1959. [4714]

County Borough of Great Yarmouth

GENERAL ARCHITECTURAL ASSISTANT

APPLICATIONS are invited for the appointment of a General Architectural Assistant in the Borough Engineer's Department at a salary in accordance with APT Grade II (£725 x £30—£855).

Applicants must have passed the intermediate R.I.B.A. examination and be experienced in the design, construction and supervision of public buildings, houses and flats.

The Council is unable to offer housing accommodation.

The appointment is subject to one month's notice on either side, to the Local Government Superannuation Acts, and to the passing of a medical examination.

Applications in an envelope endorsed "General Architectural Assistant" giving names and addresses of two referees and stating age, professional training, qualifications, experience and present and previous appointments, with salaries, must reach me not later than Friday, January 23, 1959.

FARRA CONWAY,
Town Clerk.

Town Hall,
Great Yarmouth.
January 1, 1959. [4725]

CHIEF ARCHITECT

In the Ministries of Housing and Local Government and Health

THE Civil Service Commissioners invite applications for two pensionable posts of Chief Architect.

Ministry of Housing and Local Government (one post).

Applicants must be registered Architects and hold professional qualifications in architecture, and have had a wide experience of housing and other building development. Experience in the field of public authority housing would be an advantage.

The person appointed will be responsible for the organization, direction and supervision of the Ministry's architectural advisory service on housing and local government building generally.

The work of this service is being reviewed and extended and will afford increased scope for the study of design problems and constructional techniques. There will also be opportunity for carrying out selected demonstration schemes in the housing field.

Salary (London) £5,750.

Ministry of Health (one post).

Candidates must be registered Architects and hold professional qualifications in architecture. Experience of hospital building an advantage. All-round experience and organizing ability essential.

The Chief Architect will be in charge of the Ministry's Architectural Staff. He will be responsible for organizing the examination of building schemes of Hospital Boards engaged in an expanding programme, as well as of schemes for other health and welfare services, and for design work which it is intended shall undertake development work. His duties will include collaboration with professional staff of Hospital Boards and Local Authorities.

Salary (London) £3,750.

Application forms and further particulars from Civil Service Commission, Scientific Branch, 17 North Audley Street, London, W.1, quoting Ref. No. S4025/59. Closing date January 30, 1959.

Applicants should state the post for which they are applying and if they wish to be considered for both appointments, this must be indicated. [4724]

APPOINTMENTS (cont)

County Borough of Newport

APPLICATIONS invited for following appointments:

(i) Two Assistant Architects, Special Grade (£750/£1,030 p.a.).

(ii) Assistant Quantity Surveyor, Grade APT IV (£1,025/£1,175 p.a.).

(iii) Assistant Quantity Surveyor, Special Scale (£750/£1,030 p.a.).

(iv) Assistant Heating Engineer, Grade APT III (£845/£1,025 p.a.).

Salary for each appointment to commence at any point in scale according to ability and experience.

Minimum qualifications required—for post (i) Final examination R.I.B.A. for posts (ii) and (iii) Final examination R.I.C.S. and for post (iv) Intermediate of appropriate professional examination.

Housing accommodation may be made available according to circumstances.

Application forms from Borough Architect, Civic Centre, Newport, Mon., returnable by Monday, January 19, 1959. [4716]

London County Council

Architect's Department

VACANCIES for Architectural Assistants, starting salary up to £860. Full and interesting programmes of houses, flats, schools and general buildings.

Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council (E/K/52/58), County Hall, S.E.1. (2168). [4166]

Metropolitan Borough of Lewisham

ASSISTANT ARCHITECT

SALARY Scale APT I or Special Scale, viz. £585 x £30—£755 p.a. or £760 x £40—£1,060 p.a., including London Weighting. Grade and commencing salary in the grade according to qualifications and experience. Particulars and form of application from Town Clerk (Dept. N), Lewisham Town Hall, Catford, S.E.6. Closing date January 24, 1959. [4718]

Borough of Colchester

Borough Engineer's Department

ARCHITECTURAL ASSISTANT

APPLICATIONS are invited for the above appointment at a salary in accordance with APT Grade I (£575/£725) per annum according to experience.

Applicants must have a sound knowledge of building construction, able to prepare working drawings, make surveys and use a level. Preference will be given to those who, in addition, are studying for the R.I.B.A. examinations.

Applications endorsed "Architectural Assistant," stating age and full particulars of experience, etc., accompanied by the names of two referees should be delivered to the Borough Engineer, 1 West Stockwell Street, Colchester, not later than January 26, 1959.

Canvassing will disqualify and applicants must state whether they are related to any member or senior officer of the Council.

N. CATCHPOLE,

Town Clerk.

Town Hall,
Colchester.
January 2, 1959. [4731]

Metropolitan Borough of Hampstead

REQUIRE an Architectural Assistant (temporary) in the Housing Architect's Department, Grade APT I-II (£575/£845) or Special Grade (£750/£1,030) plus London Weighting. Commencing salary according to qualifications and experience. (Grade I-II—Intermediate R.I.B.A.; Special R.I.B.A.)

Applications giving training, experience, previous appointments and the names of three referees, to the Town Clerk (AB), Town Hall, Haverstock Hill, N.W.3, by January 22, 1959. No housing provided. [4732]

ARCHITECTURAL ASSISTANTS

THE Architect's Department of a large multiple retail company requires immediately Architectural Assistants of both Intermediate and Senior standard. Previous shopfitting experience not necessary but a keen interest in contemporary shop design is desirable. Good salary dependent on experience. Five-day week. Non-contributory pension scheme. Reply stating age, experience and salary required to Box 1207. [4729]

APPOINTMENTS (cont)**Borough of Lewes
ARCHITECTURAL ASSISTANT**

APPLICATIONS are invited for this appointment. Salary within Grade APT I (£75/£725) commencing according to age and experience.

Preference will be given to applicants who have passed the Intermediate examination of one of the recognized professional institutions, and who have had practical experience in the planning and construction of housing schemes. Usual conditions applicable.

Application on forms obtainable from the Borough Engineer and Surveyor, Town Hall, Lewes, to be returned to him not later than January 14, 1959.

R. A. R. GRAY,
Town Clerk.

Town Hall,
Lewes,
Sussex.

[4720]

**Borough of Ilford
Borough Engineer's Department**

ARCHITECTURAL ASSISTANT, Grade APT II-III. Salary £725/£1,025 per annum, plus London Weighting, required for the permanent staff of the Borough Engineer. The commencing salary will be fixed having regard to qualifications and experience.

Preference will be given to candidates who have reached the Final standard of the R.I.B.A. and have had good general experience. The appointment is superannuable and subject to medical examination.

The Council is prepared to consider, if necessary, the provision of housing accommodation in connection with this appointment.

Forms of application, obtainable from the Borough Engineer, Town Hall, Ilford, Essex, should be returned by Monday, January 19, 1959. [4734]

ARCHITECTURAL APPOINTMENTS VACANT

Rate: 1/9 per line, minimum 3/6, average line six words.

ARCHITECTURAL ASSISTANT of R.I.B.A. Intermediate standard or above, with office experience, required by firm in Edgbaston, Birmingham, with varied practice covering schools, churches, domestic work, etc. It would be an advantage for applicants to have a special interest in repair of historical buildings but previous experience in this subject is not essential. Salary according to age and experience. Apply giving full details: A. B. Chatwin, F.R.I.B.A., 28 Frederick Road, Birmingham, 15. [4728]

ARCHITECTS' CO-PARTNERSHIP require qualified Assistant, with experience, for university work. Write 44 Charlotte Street, W.1, or telephone LANgham 5791. [4717]

AGRICULTURAL ESTATE requires Architectural Draughtsman for 12/18 months only. Must be experienced in preparing working and detail drawings. The post would suit a young qualified Architect seeking experience in layout and design of farm buildings. Apply in writing stating age, experience and salary required to The Agent, Estate Office, Edensor, Bakewell, Derbyshire. [4698]

FREDERICK GIBBERD'S London office requires Architectural Assistants of both Intermediate and Final standard, for varied and interesting work. Salary £600-£800 according to experience. Apply in writing giving full particulars to 8 Percy Street, London, W.1. [4708]

GOLLINS, MELVIN, WARD & PARTNERS have vacancies for Junior Staff interested in the contemporary design of hospitals and educational buildings. Five-day week. Pension scheme. Quarterly bonuses. Telephone WEL 9991. [4697]

ARCHITECTURAL APPOINTMENTS VACANT (cont)

EXPERIENCED Architectural Assistants required for the development of a new university college. The development plan includes a considerable number of large buildings of contemporary design, including multi-storey tower blocks and science buildings.

Successful applicants will be required to reside in Swansea or Cardiff. Remuneration will be according to experience and ability and payable in the form of salary and bonus.

Applications stating full particulars of age, qualifications and experience should be made to the Secretary, Sir Percy Thomas and Son, Architects, 19 Cathedral Road, Cardiff. [4730]

KENNETH WAKEFORD, JERRAM & HARRIS require architectural assistant of Final and Intermediate Standard; also junior, First Year Standard, for their London office. Salary by arrangement. Five-day week. Apply for interview giving experience to 7 Connaught Place, W.2. [4727]

NEWMAN, LEVINSON & PARTNERS require Senior and Junior Assistants, with experience of Commercial and Industrial work in the London area. Good prospects for suitable candidates in busy but congenial office. Write stating experience and commencing salary required to 9 Mansfield Street, London, W.1, or telephone LANgham 9253/4. [4726]

QUALIFIED ARCHITECT required for pre-fabricated timber and plastic structure manufacturers situated in the Middlesex area. Excellent prospects for right man. First-class restaurant facilities. Pension scheme. Write Box 1208. [4733]

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SURVEYOR gives service to Architects. Negotiations, estimates, schedules, accounts. Box 1167. [4722]

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GUARANTEED EXAMINATION COACHING for R.I.B.A., R.I.Ch. Surveyors, I.Qty. Surveyors, I.Mun.E., I.Struct.E., etc. First-class instruction courses in all aspects of Architecture, Building, Draughtsmanship, Surveying, Civil, Municipal, Structural and Sanitary Engineering. Write for free prospectus: International Correspondence Schools, 71 Kingsway, Dept. 518, London, W.C.2. [0167]

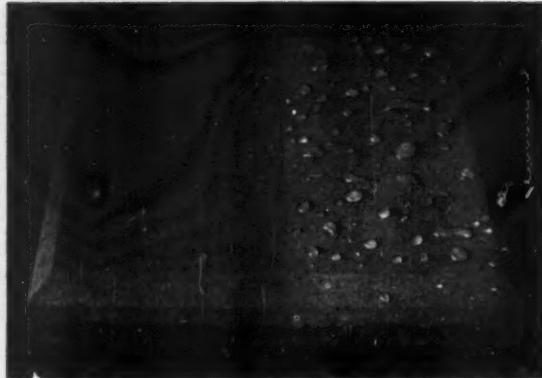


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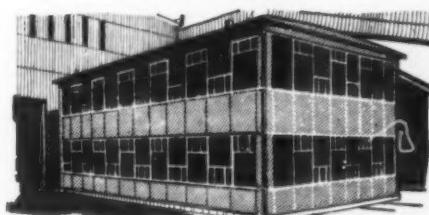


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